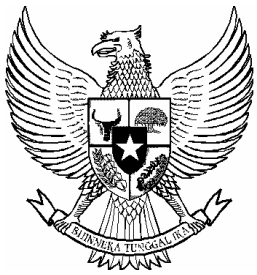

BERITA NEGARA REPUBLIK INDONESIA

No.1432, 2015 KEMENTAN. Organisme Pengganggu. Tumbuhan Karantina. Jenis. Perubahan.

PERATURAN MENTERI PERTANIAN REPUBLIK INDONESIA
NOMOR 51/Permentan/KR.010/9/2015
TENTANG
PERUBAHAN ATAS PERATURAN MENTERI PERTANIAN
NOMOR 93/Permentan/OT.140/12/2011
TENTANG JENIS ORGANISME PENGGANGGU TUMBUHAN KARANTINA

DENGAN RAHMAT TUHAN YANG MAHA ESA

MENTERI PERTANIAN REPUBLIK INDONESIA,

Menimbang : a. bahwa dengan Peraturan Menteri Pertanian Nomor 93/Permentan/OT.140/12/2011 telah ditetapkan Jenis Organisme Pengganggu Tumbuhan Karantina;

b. bahwa berdasarkan hasil analisis risiko dan pemantauan organisme pengganggu tumbuhan terdapat perubahan status jenis organisme pengganggu tumbuhan karantina;

c. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a dan huruf b, perlu menetapkan Peraturan Menteri Pertanian tentang Perubahan Atas Peraturan Menteri Pertanian Nomor 93/Permentan/ OT.140/12/2011 tentang Jenis Organisme Pengganggu Tumbuhan Karantina;

Mengingat : 1. Undang-Undang Nomor 16 Tahun 1992 tentang Karantina Hewan, Ikan, dan Tumbuhan (Lembaran

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Negara Tahun 1992 Nomor 56, Tambahan Lembaran Negara Nomor 3482);

2. Undang-Undang Nomor 7 Tahun 1994 tentang Pengesahan Agreement Establishing the World Trade Organization (Persetujuan Pembentukan Organisasi Perdagangan Dunia) (Lembaran Negara Tahun 1994 Nomor 57, Tambahan Lembaran Negara Nomor 3564);
3. Peraturan Pemerintah Nomor 14 Tahun 2002 tentang Karantina Tumbuhan (Lembaran Negara Tahun 2002 Nomor 35, Tambahan Lembaran Negara Nomor 4196);
4. Keputusan Presiden Nomor 2 Tahun 1977 tentang Pengesahan International Plant Protection Convention (Lembaran Negara Tahun 1977 Nomor 8) sebagaimana telah diubah dengan Keputusan Presiden Nomor 45 Tahun 1990 tentang Pengesahan Revised Text of the International Plant Protection Convention (Lembaran Negara Tahun 1990 Nomor 69);
5. Keputusan Presiden Nomor 121/P Tahun 2014 tentang Pembentukan Kementerian dan Pengangkatan Menteri Kabinet Kerja Periode Tahun 2014-2019;
6. Peraturan Presiden Nomor 7 Tahun 2015 tentang Organisasi Kementerian Negara (Lembaran Negara Tahun 2015 Nomor 8);
7. Peraturan Presiden Nomor 45 Tahun 2015 tentang Kementerian Pertanian (Lembaran Negara Tahun 2015 Nomor 85);
8. Peraturan Menteri Pertanian Nomor 22/Permentan/ OT.140/4/2008 tentang Organisasi dan Tata Kerja Unit Pelaksana Teknis Karantina Pertanian;
9. Peraturan Menteri Pertanian Nomor 94/Permentan/ OT.140/12/2011 tentang Tempat Pemasukan dan Pengeluaran Media Pembawa Penyakit Hewan Karantina dan Organisme Pengganggu Tumbuhan Karantina (Berita Negara Tahun 2011 Nomor 7) sebagaimana telah diubah dengan Peraturan Menteri Pertanian Nomor 44/ Permentan/OT.140/3/2014 tentang Perubahan Atas Peraturan Menteri Pertanian Nomor 94/Permentan/ OT.140/12/2011 tentang Tempat Pemasukan dan Pengeluaran Media Pembawa Penyakit Hewan Karantina dan Organisme Pengganggu

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Tumbuhan Karantina (Berita Negara Tahun 2014 Nomor 618);

10. Peraturan Menteri Pertanian Nomor 43/Permentan/OT.010/8/2015 tentang Organisasi dan Tata Kerja Kementerian Pertanian (Berita Negara Tahun 2015 Nomor 1243);

MEMUTUSKAN:

Menetapkan : PERATURAN MENTERI PERTANIAN TENTANG PERUBAHAN ATAS PERATURAN MENTERI PERTANIAN NOMOR 93/Permentan/OT.140/12/2011 TENTANG JENIS ORGANISME PENGGANGGU TUMBUHAN KARANTINA.

Pasal I

Beberapa ketentuan dalam Peraturan Menteri Pertanian Nomor 93/Permentan/OT.140/12/2011 (Berita Negara Nomor 6 Tahun 2012) tentang Jenis Organisme Pengganggu Tumbuhan Karantina diubah sebagai berikut:

1. Diantara Pasal 2 dan Pasal 3 disisipkan 1 (satu) pasal, yakni Pasal 2A sehingga berbunyi sebagai berikut:

Pasal 2A

Media pembawa yang terinfestasi Organisme Pengganggu Tumbuhan Karantina golongan II berupa kelompok virus, bakteri, cendawan, nematoda, dan/atau molusca tidak dapat diberikan perlakuan, jika:

a. berdasarkan pertimbangan teknis tidak dapat dilakukan; dan/atau

b. membahayakan kesehatan manusia, hewan, dan lingkungan.

2. Ketentuan Lampiran Peraturan Menteri Pertanian Nomor 93/Permentan/OT.140/12/2011 tentang Jenis Organisme Pengganggu Tumbuhan Karantina diubah sebagaimana tercantum dalam Lampiran yang merupakan bagian tidak terpisahkan dari Peraturan Menteri ini.

3. Ketentuan lain dalam Peraturan Menteri Pertanian Nomor 93/Permentan/OT.140/12/2011 tentang Jenis Organisme Pengganggu Tumbuhan Karantina dinyatakan masih tetap berlaku.

Pasal II

Peraturan Menteri ini mulai berlaku pada tanggal diundangkan.

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Agar setiap orang mengetahuinya, memerintahkan pengundangan Peraturan Menteri ini dengan penempatannya dalam Berita Negara Republik Indonesia.

Ditetapkan di Jakarta
pada tanggal 23 September 2015
MENTERI PERTANIAN
REPUBLIK INDONESIA,

AMRAN SULAIMAN

Diundangkan di Jakarta
pada tanggal 28 September 2015
MENTERI HUKUM DAN HAK ASASI MANUSIA
REPUBLIK INDONESIA,

YASONNA H. LAOLY

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LAMPIRAN PERATURAN MENTERI PERTANIAN REPUBLIK INDONESIA
Nomor : 51/Permentan/KR.010/9/2015

JENIS ORGANISME PENGGANGGU TUMBUHAN KARANTINA

A. JENIS-JENIS ORGANISME PENGGANGGU TUMBUHAN KARANTINA (KATEGORI A1)

I. SERANGGA (*INSECTS*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Acraea acerata* Hew.; Lepidoptera:Nymphalidae; sweet potato butterfly	II	*Convolvulus arvensis, Ipomoea aquatica, Ipomoea triloba, Merremiae bracteata, Merremia pacifica, Merremia peltata, Merremia umbellata, Ipomoea batatas* (ubi jalar, sweet potato)	daun, batang	Africa:Angola, Benin, Botswana, Burundi, Cameroon, Congo, DR Congo, Ethiopia, Ghana, Guinea, Kenya, Ivory Coast, Liberia, Mozambique, Namibia, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Togo. Uganda, Zambia
2.	*Acrocinus longimanus* Linnaeus; Coleoptera: Cerambycidae; Herlequin beetle, jack-tree borer	II	Artocarpus, *Artocarpus integra, Moraceae, Broussonetia kazinoki, Ficus elastica*	batang, cabang, ranting	America: Barbados, Honduras, Guyana, Trinidad,Costa Rica, Mexico, Brazil
3.	*Aetherastis circulata*Meyrick; Lepidoptera: Yponomeutidae; bark feeding caterpillar	II	*Hevea brasiliensis* (karet, rubber tree)	batang, daun, bibit	Asia: India

4.	*Agrilus mali* Matsumura; Coleoptera: Buprestidae; apple borer, apple buprestid	II	*Malus domestica (*apel, apple*)*	tunas, batang, bibit, rhizome	Asia: China, Korea DPR (North Korea), Republic of Korea (South Korea) Europe: Russia	
5.	*Agrilus planipennis*Fairmaire;Coleoptera: Buprestidae;Emerald Ash Borer	II	*Fraxinus americana, F. mandshurica, F. nigra, F. chinensis, F. pensylvanica, Juglans mandshurica F. japonica, F. lanuginosa,Fraxinus rhynchophylla, Pterocarya rhoifolia, Ulmus davidiana,Ulmus propinqua*	batang, kayu	America: USA, Canada Asia: China, Japan, Korea DPR (North Korea), Republic of Korea (South Korea), Taiwan Europe: Russia, Russian far east)	
6.	*Alcidodes dentipes*(Olivier); (=*Alcides dentipes* Olivier); Coleoptera: Curculionidae; striped sweet potato weevil	II	*Ipomoea batatas* (ubi jalar, sweet potato) *Gossypium barbadens* (kapas, cotton), *Arachys hypogaea* (kacang tanah, peanut), *Phaseolus vulgaris* (buncis, common bean)*Vigna* spp. (buncis, cowpea)	batang, bibit	Africa: Angola, Benin, Botswana, Burundi, Cameroon, Central Africa Republic, Ethiopia, Ghana, Gambia, Gabon, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Mali, Mauritania, Mauritius, Mozambique, Malawi, Nigeria, Sahara, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, DR Congo, Zambia, Zimbabwe.	
7.	*Alsophila pometaria*(Harris) (=*Anisopterix pometaria* =*Anisopteryx pometaria*); Lepidoptera: Geometridae; fall cankerworm	II	*Malus domestica (*apel, apple*)*, Pelargonium, *Ulmus* sp. (elm), *Pyrus communis* (pir, pear), other stone fruit, Oak, Rose, Walnut	batang, daun, bunga, buah	America: Canada, USA	

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8.	*Amblypelta cocophaga* China; (=*Amblypelta cocophaga cocophaga* =*A.cocophagamalaitensis* =*Dasynus* sp.); Hemiptera: Coreidae; coconut bug	II	*Carica papaya* (pepaya, pawpaw, papaya), *Ceiba petandra* (kapuk randu, kapok), *Cocos nucifera* (kelapa, coconut), *Eucalyptus deglupta, Mangifera indica* (mangga, mango), *Cucumis melo* (melon), *Citrus sinensis* (navel orange) *Citrus* spp. (jeruk, orange), *Manihot esculenta* (ubi kayu, cassava), *Passiflora quadrangularis* (markisah, passion fruit, granadilla), *Prunus persica* (persik, peach), *Psophocarpus tetragonolobus* (kecipir, winged bean), *Saccharum officinarum* (tebu, sugarcane), *Theobroma cacao* (kakao, cocoa), *Delonix regia* (flamboyant), *Macaranga* spp.	tunas, batang, daun, bunga, buah	Asia: Singapore, India, Philippines, Malaysia Oceania: Fiji, Papua New Guinea, Solomon Islands
9.	*Anastrepha fraterculus*(Wiedemann); (=*Acrotoxa fraterculus* =*Anastrepha braziliensis* =*Anastrepha costarukmanii* =*Anastrepha fraterculus* var. *soluta* =*Anastrepha lambayecae* =*Anastrepha pseudofraterculus* =*Anastrepha scholae* =*Anthomyia frutalis* =*Dacus fraterculus* =*Tephritis*	II	*Annona cherimola* (cherimoya), *Psidium guajava* (jambu biji, guava) *Annona* spp, *Actinidia chinensis* (Chinese gooseberry), *Actinidia deliciosa* (kiwi, kiwifruit), *Ampelocera hottlei,Annona muricata* (soursop), *Annona squamosa* (srikaya, sweetsop), *Averrhoa carambola* (belimbing, carambola, star-	buah, media tanam, tanah	America: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela.

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mellea =Trypeta fraterculus =Trypeta unicolor =Anastrepha peruviana=A. soluta); Diptera: Tephritidae; South American fruitfly		fruit), *Campomanesia xanthocarpa, Chrysophyllum gonocarpum, Citrus* spp.(jeruk, orange), *Eriobotrya japonica* (loquat), *Eugina dombeyi* (brazil cherry), *Euginia uniflora* (Surinam cherry), *Eugenia* spp., *Feijoa sellowiana* (horn of plenty), *Fortunella japonica* (round kumquat) *Prunus* spp., *Prunus persica* (persik, peach), *Psidium cattleianum* (strawberry guava), *Spondias tuberosa, Syzygium jambos* (rose apple), *Syzygium* spp., *Ziziphus joazeiro, Carica papaya,* (pepaya, papaya, papaw), *Citrus aurantium* (sour orange), *Citrus limetta* (sweet lemon), *Citrus maxima* (pummelo), *Citrus reticulata* (mandarin), *Citrus sinensis* (navel orange), *Coffea Arabica* (kopi arabika, Arabica coffee), *Coffea liberica* (Liberian coffee tree), *Cydonia oblonga* (quince), *Diospyros kaki* (kesemek, persimmon), *Diospyros malabarica, Euginia stipitata, Ficus carica* (ara, fig), *Fortunella japonica* (kumquat),		

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		Fragaria vesca (arbei, strawberry), *Inga edulis*, *Inga marginata*, *Juglans australis*, *Juglans neotropica* (Andean walnut), *Juglans regia* (walnut), *Achras* (= *Manilkara*) *zapota* (sawo, sapodilla), *Malus* sp., *Malus domestica* (apel, apple), *Mangifera indica* (mangga, mango), *Persea americana* (avokad, avocado), *Prunus americana* (apricot), *Prunus dulcis* (almond), *Psidium longipes*, *Punica granatum* (delima, pomegranate), *Pyrus communis* (pir, pear), *Pouteria obovata*, *Rubus glaucus*, *Solanum quitoense*, *Spondias dulcis* (otaheite apple), *Spondias mobin* (hog plum), *Spondias purpurea* (red mombin), *Spondias cytherea*, *Syzygium malaccense* (jambu bol, malay-apple), *Terminalia catappa* (ketapang, Indian almond), *Theobroma cacao* (kakao, cocoa), *Vitis vinifera* (anggur, grapevine), *Malus domestica*(apel, apple), *Syzygium aquea* (jambu air, star apple), *Zuelania Guidonia*		

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10.	*Anastrepha ludens*(Loew); (=*Acrotoxa ludens* Loew =*Anastrepha lathana* Stone =*Trypeta ludens* Loew); Diptera: Tephritidae; Mexican fruit fly	II	*Citrus* spp.(jeruk, orange), *Citrus aurantium* (sour orange), *Citrus maxima* (pummelo), *Citrus sinensis* (navel orange), *Citrus x paradisi* (grapefruit), *Mangifera indica*(mangga, mango), *Prunus persica* (persik, peach) *Anacardium occidentale* (jambu mete, cashew-nut), *Annona cherimola* (cherimoya), *Annona liebmanniana*, *Annona muricata* (sirsak, soursop), *Annona reticulata* (buah nona, srikaya, *Annona squamosa* (srikaya, sweetsop), bullock's heart, custard apple), *Carica papaya* (pepaya, pawpaw, papaya), *Casimiroa edulis* (white sapote), *Citrus* spp, *Citrus aurantifolia* (lime), *Citrus limetta* (sweet lemon tree), *Citrus medica* (citron), *Citrus reticulata* (mandarin), *Citrus reticulata x paradisi* (tangelo), *Coffea arabica* (kopi arabika, arabicacoffee), *Cydonia oblonga* (quince), *Diospyros kaki* (kesemek, persimmon), *Feijoa*	buah, media tanam, tanah	America: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama	

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		sellowiana, *Malus domestica* (apel, apple), *Mammea americana*, *Passiflora edulis* (passionfruit), *Passiflora quadrangularis* (markisah, passion-fruit, granadilla), *Psidium longipes*, *Spondias purpurea*, *Persea americana* (avokad, avocado), *Pouteria sapota*, *Psidium guajava* (jambu biji, guava), *Punica granatum* (delima, pomegranate), *Pyrus communis* (pir,pear), *Sargentia greggii*, *Syzygium aqueo* (jambu air, star apple), *Talisia olivaeformis*		
11.	*Anastrepha obliqua* Macq; (=*Acrotoxa obliqua* =*Anastrepha fraterculus var. ligata* =*A.fraterculus* var. *mombinpraeoptans* SeÃn =*A. mombinpraeoptans* SeÃn =*Tephritis obliqua* =*A. acudisa* =*A. trinidadensis* =*Trypeta obliqua*; Diptera: Tephritidae; West Indian fruit fly, Antillean fruit fly	II	*Mangifera indica* (mangga, mango), *Anacardium occidentale* (jambu mete, cashew-nut), *Spondias cytherea*, *Spondiasmombin*, *Spondias purpurea*, *Spondias* spp. *Anacardium occidentale*, *Annona hayesii*, *Brosimum alicastrum*, *Citrus limetta*, *Coffea* spp. (kopi, coffee), *Eriobotrya japonica* (loquat), *Eugenia jambos* (jambos), *Eugenia malaccensis* (pomerack), *Eugenia mesiotica*,	buah, media tanam, tanah	America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Brazil, British Virgin Islands, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St. Kitts & Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname,

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		Malpighia glabra, Achras (= *Manilkara) zapota* (sawo, sapodilla), *Passiflora quadrangularis* (markisah, passion fruit, granadilla), *Prunus dulcis* (almond), *Prunus amygdalus* (bitter almond), *Prunus domesticum* (plum), *Psidium longipes*, *Pyrus communis* (pear), *Averrhoa carambola*(belimbing, carambola, star-fruit), *Pouteria viridis*, *Citrus* spp, *Diospyros digyna* (black sapote), *Dovyalis hebecarpa* (kitambilla), *Pouteria sapota*, *Pouteria mammosa*, *Psidium guajava* (jambu biji, guava), *Syzygium aqueа* (jambu air, star apple), *Syzygium malaccense* (jambu bol, malay-apple).	buah, media tanam (tanah)	Trinidad and Tobago, United States Virgin Islands, Venezuela.
12.	*Anastrepha serpentina*Wiedemann; (=*Dacus serpentinus* Wiedemann =*Leptoxys serpentina* Wiedemann =*Acrotoxa serpentinus* Wiedemann =*Trypeta serpentina* Wiedemann =*Urophora vitittihorax*	II	*Capparis angulata, Citrus* spp.(jeruk, orange), *Chrysophyllum cainito, Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Pouteria caimito, Pouteria campechiana* (canistel), *Pouteria sapota* (mammey sapote) *Alchornea latifolia, Annona*	buah, media tanam (tanah)	America: Belize, Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Antilles Netherlands, Panama, Peru, Suriname, Trinidad and Tobago, USA, Venezuela

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Wiedemann); Diptera: Tephritidae; sapote fruit fly, sapodilla fruit fly, black fruit fly, dark fruit fly		*cherimola, Annona glabra, Annona spp, Bumelia sebolana, Brysonima crassifolia, Chrysophyllum argenteum, Chrysophyllum mexicanum, Citrus aurantium, Citrus maxima, Citrus reticulata, Citrus sinensis, Citrus x paradisi, Cydonia oblonga* (kwinsi, quince), *Diospyros ebenaster, Dovyalis hebeccarpa, Eriobotrya japonica* (lokwat, loquat), *Ficus* spp.(ara, fig), *Lacmellea panamensis, Malus domestica* (apel, apple), *Mangifera indica* (mangga, mango), *Manilkara* spp., *Persea americana* (avokad, avocado), *Pouteria viridis, Mammea americana,Pouteria campechiana, Pouteria caimito, Pouteria obovata, Pouteria sapota, Sideroxylon capiri, Sideroxylon palmeri, Spondias mombin, Spondias purpurea, Malus domesticaPrunus cerrasus* (ceri, cherry), *Prunus persica* (persik, peach), *Psidium guajava* (jambu biji, guava), *Pyrus communis* (pir, pear), *Spondias* spp.		

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13.	*Anastrepha suspensa*Loew; (=*Anastrepha unipuncta* Sein =*Anastrepha longimacula* Greene =*Trypeta suspensa* Loew); Diptera: Tephritidae; Carribean fruit fly	II	*Eriobotrya japonica*, (loquat), *Eugenia dombeyi* (brazil cherry), *Eugenia uniflora* (surinam cherry), *Eugenia* spp., *Psidium guajava* (jambu biji, guava), *Psidium cattleianum*, *Syzygium* spp., *Annona margarita*, *Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Syzygium aquea* (jambu air, star apple), *Terminalia catappa* (ketapang, Indian almond) *Annona squamosa* (srikaya, sweetsop), *Annona glabra*, *Averrhoa carambola*(belimbing, star-fruit), *Bligh*ia *sapida* (akee apple), *Canella winterana*, *Chrysobalanus icaco*, *Carica papaya* (pepaya, pawpaw, papaya), *Citrofortunella mitis*, *Citrus* spp, *Clausena lansium*, *Coccoloba uvifera*, *Capsicum annuum* (paprika, bell-pepper), *Casimiroa edulis*, *Chrysophyllum cainito*, *Chrysophyllum oliviforme*, *Clausena lansium*, *Coccoloba uvifera*, *Diospyros kaki* (kesemek, persimmon),	buah, media tanam (tanah)	America: Bahamas, British Virgin Islands, Cuba, Dominican Republic, French Guiana, Haiti, Jamaica, Puerto Rico, USA, Virgin Islands	

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		Diospyros blancoi, Diospyros virginiana,Dovyalis caffra, Ficus carica (ara, fig), *Flacourtia indica, Fortunella margarita* (oval kumquat), *Fortunella x crassifolia, Garcinia aristata, Garcinia mangostana* (manggis, mangosteen), *Garcinia livingstonei, Solanumlycopersicum*(tomat, tomato), *Malus domestica* (apel, apple), *Malpighia glabra, Momordica balsamina, Prunus cerrasus* (ceri, cherry), *Mangifera indica* (mangga, mango), *Momordica charantia* (paria, bitter gourd), *Murraya* spp. (kemuning, mock orange), *Persea americana* (avokad, avocado), *Phoenix dactylifera* (kurma, dates-palm), *Pimenta dioica, Prunus persica* (persik, peach), *Psidium longipes, Punica granatum* (delima, pomegranate), *Pyrus communis* (pear), *Pouteria campechiana, Psidium guineense, Spondias mombin, Spondias* spp., *Synsepalum dulcificum.*		

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			Spondias cytherea, *Syzygium cumini* (jamblang, java plum)), *Syzygium samarangense* (jambu Semarang, java apple), *Terminalia catappa*, *Terminalia muelleri*, *Triphasia* sp.,		
14. *Ancistrotermes latinotus* Holmgren; Isoptera: Termitidae; Termit		II	*Eucalyptus tereticomis*	batang, kayu	Africa: Malawi, Tanzania, Zimbabwe, Congo
15. *Ancita crocogaster* Boisduval; Coleoptera: Cerambycidae; Grey longicorne beetle		II	*Acacia* spp.	batang, kayu	Oceania: Australia
16. *Ancita marginicollis*Boisduval; Coleoptera: Cerambycidae; Hitechiked longicorn		II	*Acacia* spp.	batang, kayu	Oceania: Australia
17. *Anobium punctatum* DeGeer; Coleoptera: Anobiidae;Common furniture beetle, woodworm		II	*Dacrycarpus dacrydioides* (kahikatea), *Dacrydium cupressinum* (rimu), *Pinus radiata* (radiata pine), *Pseudotsuga menziesii* (Douglas fir), *Thuja plicata* (western red cedar)	batang, ranting, kayu, furniture	Africa: all America: USA Asia: China Europe: all Oceania:Australia, New Zealand
18. *Anoplophora glabripennis* Motschulsky; Coleptera: Cerambycidae; Asian Longhorn beetle, starry sky beetle		II	*Acer negundo*, *Aesculus hippocastanum*, *Populus* spp., *Robinia pseudoacacia*, *Salix* spp., *Salix babylonica*, *Salix matsunada*, *Ulmus pumila*,	batang, kayu	America: USA, Canada Asia: China, Japan, Korea DPR (North Korea), Korea Republic (South Korea) Europe: France, Germany,

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		Ulmus laeuig, Eucalyptus diversicolor, Acer buergerianum, Acer davidii, Acer grosseri, Acer palmatum, Acer pseudoplatanus, Acer rubrum, Acer robustrum, Acer saccharum, Acer saccharinum, Acer truncatum, Alnus sp., *Betula platyphylla, Elaegnus angustifolia, Fraxinus* sp., *Hippophae rhamnoides, Liriodendron tulifera, Malus sylvestris, Morus alba, Platanus orientalis, Sophora* sp., *Tilia tuan,*	tunas, batang, daun, bunga, buah	Italy, Poland, England, Switzerland, UK Oceania: Australia
19.	*Antestiopsis facetoides* Le Pelley; Hemiptera: Pentatomidae; cherry and flower feeder	II	*Coffea* spp. (kopi, coffee)	tunas, batang, daun, bunga, buah	Africa: Kenya, Tanzania, Tunisia.
20.	*Antestiopsis intricata*Ghesq & Carayon; Hemiptera: Pentatomidae; antestia bug	II	*Coffea* spp. (kopi, coffee)	tunas, batang, daun, bunga, buah	Africa: Benin, Cameroon, Central Africa, Ethiopia, Gabon, Ghana, Ivory Coast, Kenya, Nigeria, Sudan, Togo, Uganda
21.	*Antestiopsis* orbitalis Westwood; (=*Antestia lineaticolli =A.orbitalis facetus =Antestiopsis lineaticollis =A. orbitalis bechuana =A. orbitalis ghesquieri =A. orbitalis orbltalys)*; Hemiptera: Pentatomidae; antestia	II	*Coffea arabica* (kopi arabika, arabica coffee) *Coffea* spp. (kopi, coffee)	tunas, batang, daun, bunga, buah	Africa: Angola, Burundi, Congo, Ethiopia, Kenya, Malawi, Mozambique, Namibia, Rwanda, South Africa, Tanzania, Uganda, Zambia, Zimbabwe

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22.	*Anthonomus grandis*Boheman; (=*Anthonomus thurberiae* Pierce (1913); Coleoptera: Curculionidae; Mexican cotton boll weevil, boll weevil, cotton boll weevil, Thurberia weevil	II	*Gossypium barbadens* (kapas, cotton), *Gossypium hirsutum Hibiscus syriacus, Hampea nutricia, Opuntia tindheimeri, Prosopis, glandulosa, Thespesia populnea*	bibit, bunga, buah	Africa: Benin, South Africa America: Argentina, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, El Salvador, Guatemala, Haiti, Honduras, Martinique, Mexico, Nicaragua, Paraguay, St. Kitts & Nevis, USA, Venezuela
23.	*Anthonomus signatus*Say; (=*Anthonomus bisignatus* =*Anthonomus pallidus* =*Anthonomus scutellatus*); Coleoptera: Curculionidae; strawberry bud weevil, strawberry clipper	II	*Fragaria ananassa* (strawberry), *Rubus idaeus Potentilla, Rubus* sp. (blackberry), *Rubus caesius, Rubus fruticosus, Morus* spp. (murbei, mulberry), (raspberry)	buah, bunga, media tanam	America: Canada, USA
24.	*Anthonomus vestitus* Boheman; Coleoptera: Curculionidae; Peruvian boll weevil, Peruvian cotton weevil, Peruvian boll weevil, Peruvian square weevil, Peruvian cotton square weevil	II	*Gossypium barbadens* (kapas, cotton) Abutilon (Indian mallow), *Alcea rosea*, Althaea (hollyhocks), Hibiscus (rosemallows), *Hibiscus rosa-sinensis*, Thespesia	bibit, buah, bunga, stek	America: Ecuador, Peru
25.	*Aonidomytilus albus* Cockerell; (=*Coccomytilus dispar=Lepidosaphes alba* =*L.dispar, Mytilaspis albus, M.dispar*); Hemiptera: Diaspididae; cassava scale, white mussel scale, cassava stem mussel scale, tapioca scale	II	*Citrus* spp.(jeruk, orange), *Manihot esculenta* (ubi kayu, cassava)	tunas, batang, daun	Africa: Angola, Cape Verde, Congo Democratic Republic, Gambia, Ghana, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mauritius, Mozambique, Nigeria, Senegal, Somalia, Tanzania, Uganda, Zambia. America: Antigua and

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					Barbuda, Argentina, Bahamas, Barbados, British Virgin Islands, Brazil, Colombia, Cuba, Dominica, Grenada, Guadeloupe, Guyana France, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Puerto Rico, Peru, St. Kitts & Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Virgin Islands Asia: Bahrain, China, India, Sri Lanka, Taiwan, Thailand
26.	*Apate monachus* Fabricius; (=*Apate monacha* =*A.carmelita* =*A.francisca* =*A.gibba* =*A.mendica* =*A.monachus var. rufiventris* =*A.semicostata* =*A.senii*; Coleoptera: Bostrichidae; black borer, twig borer, date palm bostrichid	II	*Azadirachta indica* (nimba, neem tree), *Cajanus cajan* (kacang gude, pigeon pea), *Casuarina equisetifolia*, *Citrus sinensis*, *Coffea arabica* (kopi arabika, arabica coffee), *Coffea liberica*, *Elaeis guineensis* (kelapa sawit, oilpalm), *Mangifera indica* (mangga, mango), *Psidium guajava* (jambu biji, guava), *Punica granatum* (delima, pomegranate), *Swietenia mahogany* (mahoni, mahogany), *Tamarindus indica* (asam, tamarind), *Theobroma cacao* (kakao, cocoa)	batang, kayu	Africa: Algeria, Brazil, Cameroon, Congo, Côte d'Ivoire, Cuba, Dominican Republic, Egypt, Erythrea, Ethiopia, Guadeloupe, Ghana, Guinea, Ivory Coast, Jamaica, Martinique, Morocco, Niger, Nigeria, Puerto Rico, Sao Tome & Principe, Tanzania, Togo, Tunisia, Uganda, Zambia Asia: Israel, Lebanon, Syria. Europe: France, Italy, Spain	

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		Annona cherimola (cherimoya), *Calicotome spinosa*, *Citrus* spp.(jeruk, orange), *Gleditsia triacanthos*, *Morrus alba* (murbei, mulberry), *Olea europea subsp. europea* (zaitum, olive), *Robinia pseudoacacia*, *Styphnolobium japonicum*, *Syringa pekinensis*, *Annona cherimola*,*Malus domestica* (apel, apple), *Melia azedarach*, *Phoenix dactylifera* (kurma, dates-palm), *Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), *Tamarix gallica*, *Vitis vinifera* (anggur, grapevine)		
27.	*Apate terebrans* Pallas; Coleoptera: Bostricidae; shot-hole borer, trunk borer, girdler	II	*Acacia* spp., *Albizia lelbeck*, *A.procera*, *Anacadium occidentale*, *Azadirachta indica*, *Cedrela odorata*, *Citrus* Spp., *Coffea arabica*, *Coffea robusta*, *Eucalyptus polycarpa*, *Dalbergia sissoo*, *Delonix regia*, *Khaya senegalensis*, *Melia azedorach*, *Melia composita*, *Psidium guajava*, *Tectona grandis*, *Terminalia ivorensis*, *Theobroma cacao*, *Triplochiton scleroxylon*	batang, kayu	Africa: Ghana, Kenya, Nigeria, Natal, Sahara, Tanzania, Uganda America: Brazil Asia: India

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28.	*Apriona germmari* (Hope); Coleoptera: Cerambycidae;Mulberry longhorn beetle	II	*Artocarpus integra, Morus alba, Salix tetrasperma*	batang, kayu	Asia: Cambodia, China, India, Japan, Republic of Korea, Laos, Malaysia, Myanmar, Nepal, Pakistan, Taiwan, Thailand, Pakistan, Vietnam
29.	*Argyrotaenia velutinana*Walker; (=Eulia velutinana =Tortrix velutinana); Lepidoptera: Tortricidae; redbanded leafroller	II	*Acer* sp. (maple), *Apocynum* sp. (dogbane), *Ilex decidua, Ambrosia trifida, Betula papyrifera, Chrysanthemum, Persea americana* (avokad, avocado), *Malus domestica* (apel, apple), *Psidium guajava* (jambu biji, guava), *Syzygium aqueа* (jambu air, star apple), *Mangifera indica* (mangga, mango), *Pyrus communis* (pir, pear), *Zinia violacea, Lobelia* sp., *Lonicera* sp., *Vaccinium* sp., *Quercus* sp., *Geranium* sp., *Alcea rosea, Myrica gale, Platanthera cristata, Abies balsamea, Larix* spp., *Picea glauca, Picea mariana, Picea rubens, Pinus sylvestris, Tsuga Canadensis, Malus* spp., *Prunus domestica, Prunus pensylvania, Prunus persica, Prunus serotina, Rosa* spp., *Populus tremuloides,*	batang, daun, buah	America: Canada, Mexico, USA
30.	*Arhopalus ferus* Fabricius; Coleoptera: Cerambycidae; Burnt pine longicorn	II	Burned or windthrown pine and spruce	batang, kayu	Europe: England, Russia Oceania: New Zealand

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31.	*Aspidiotus nerii* Bouché; (=*Aspidiotus aloes* =*Aspidiotus hederae* =*Aspidiotus limonii* =*Aspidiotus genistae* =*Chermes aloes* =*Chermes ericae* =*Chermes cycadicola* =*Diaspis boucheı* =*Aspidiotus boucheı* =*Chermes nerii* =*Aspidiotus affinis* =*Aspidiotus caldesii* =*Aspidiotus denticulatus* =*Aspidiotus villosus* =*Aspidiotus budleiae* =*Aspidiotus ceratoniae* = *Aspidiotus cycadicola* =*Aspidiotus epidendri* =*Aspidiotus ericae* =*Aspidiotus gnidii* =*Aspidiotus ilicis* =*Aspidiotus myricinae* =*Aspidiotus ulicis* =*Aspidiotus uriesciae* =*Aspidiotus lentisci* =*Aspidiotus capparis* =*Aspidiotus myrsinae* =*Aspidiotus budlaei* =*Aspidiotus atherospermae* =*Aspidiotus oleae* =*Aspidiotus corynocarpi* =*Aspidiotus oleastin* =*Aspidiotus offinis*	II	*Actinidia chinensis* (Chinese gooseberry), *Albizia julibrissin* (silk tree), Citrus, Olea (olive), Oleaceae, *Ananas comosus* (nanas, pineapple), *Asparagus setaceus* (Asparagus fern), *Asplenium nidus* (bird's nest fern), Ceratonia, *Cocos nucifera* (kelapa, coconut), *Dianthus caryophyllus* (carnation), Diospyros (malabar ebony), *Hedera helix* (ivy), *Ilex aquifolium* (holly), Juniperus (junipers), *Laurus nobilis* (sweet bay), Magnolia, *Mangifera indica* (mangga, mango), *Melia azedarach* (Chinaberry), Morus (mulberry tree), *Musa paradisiaca* (pisang kepok, plantain), Nerium (oleander), Orchidaceae (orchids), Pandanus (screw-pine), Phoenix (date palm), *Plumeria rubra* var. *acutifolia* (Mexican frangipani), *Prunus persica* (persik, peach), *Pyrus communis* (European pear), Rosa (mawar, roses), *Simmondsia chinensis* (jojoba), *Vitis vinifera* (anggur, grapevine)	bibit tanaman, bunga, buah, daun, batang	Africa: Algeria, Cape Verde, Congo, Egypt, Eritrea, Ethiopia, Kenya,Libya, Madagascar, Malawi, Morocco, Nigeria, Portugal, South Africa, Spain, Tanzania, Tunisia, Uganda, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Central America, Chile,Colombia, Ecuador, Mexico, North America, USA,Peru, Uruguay Asia: China,Iran, Israel, Japan,Jordan, Lebanon, Saudi Arabia, Syria, Turkey Europe: Bulgaria, Bosnia and Herzegovina, Cyprus, Croatia, France, Gibraltar, Greece, Italy, Macedonia, Malta, Montenegro, Poland, Portugal, Romania, Spain, Serbia, Slovenia, UK, Yugoslavia Oceania: Australia, New Caledonia, New Zealand, Norfolk Island	

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					=Aspidiotus sophorae *=Aspidiotus carpodeti* *=Aspidiotus transpareus* var. *simillimus* *=Aspidiotus vagabundus* *=Aspidiotus simillimus* *=Aspidiotus transvaalensis* *=Aspidiotus confusus* *=Aspidiotus tasmaniae* *=Aspidiotus viresciae* *=Octaspidiotus atherospermae* *=Chermes hederae* *=Chermes genistae* *=Chermes osmanthi* *=Aspidiotus transpareus* var. *rectangulatus* *=Aspidiotus rectangulatus* *=Aspidiosus unipectinatus* *=Aspidiotus hederae var. urenae* *=Aspidiotus urenae* *=Octaspidiotus anthospermae* *=Aspidiotus hederae* *=Aspidiotus hederae ssp. unisexualis*); Hemiptera: Diaspididae; aucuba scale; ivy scale; white scale; oleander scale
32.	*Augosoma centaurus*Fabricius; Coleoptera: Scarabaeidae; stem tissues borer	II	*Elaeis guineensis* (kelapa sawit, Oilpalm), palma lainnya (other palmae)	batang, media tanam, sisa tanaman	Africa: Cameroon, Gambia, Ghana, Guinea, Ivory Coast, Liberia, Niger, Nigeria, Senegal.

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33.	*Bactrocera caryeae*Kapoor; (=*Dacus caryeae* Kapoor); Diptera: Tephritidae; Indian fruit fly	II	*Aegle marmelos* (maja, bael fruit, golden apple), *Citrus* spp, *Citrus maxima, Citrus reticulata, Malpighia glabra,Mangifera indica* (mangga, mango), *Pouteria sapota, Psidium guajava* (jambu biji, guava)	buah, media tanam (tanah)	Asia: India, Sri Lanka.
34.	*Bactrocera curvipennis*(Froggatt); (=*Bactrocera curvipennis=Chaetodacus curvipennis =Dacus curvipennis =Strumetacurvipennis)*; Diptera: Tephritidae; banana fruit fly	II	*Anacardium occidentale, Annona reticulata, Averrhoa carambola*(belimbing, star-fruit), *Calophyllum inophyllum, Capsicum annuum*(cabai besar, paprika, bell pepper), *Couthovia neo-caledonica, Carica papaya* (pepaya, papaya, pawpaw), *Citrus* spp.(jeruk, orange), *Casimiroa eludis, Citrus latifolia, Citrus maxima, Citrus reticulata, Citrus sinensis, Citrus x paradisi, Coffea arabica, Diospyros macrocarpa, Eugenia uniflora, Eriobotrya japonica, Fragaria ananassa, Guettarda speciosa, Mangifera indica* (mangga, mango), *Meremia tuberosa, Malphigia glabra, Morus alba, Ochrosia elleptica, Psidium cattleianum, Psidium friedrichstalianum, Psidium*	buah, media tanam (tanah)	Oceania: New Caledonia, Vanuatu

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		guajava(jambu biji, guava), *Passiflora foetida, Prunus domestica, Prunus persica, Prunus* var. *nectaria, Solanum lycopersicum* (tomat, tomato), *Syzygium malaccense, Thevetia peruviana, Terminalia catappa, Vitis vinifera* (anggur, grape), *Zizyphus mauritania,*			
35.	*Bactrocera depressa*(Shiraki); (=*Bactrocera (Paradacus)depressa =B. depressus =Dacus depressus =Paradacus depressus =Zeugodacus depressus*); Diptera: Tephritidae; pumpkin fruit fly	II	*Cucurbita moschata* (waluh, labu, pumpkin),*Cucurbita maxima*(waluh, labu parang, pumpkin)	buah, media tanam (tanah)	Asia: China, Taiwan, Japan, Korea
36.	*Bactrocera dorsalis* (Hendel);Diptera: Tephritidae; oriental fruitfly	II	*Aegle marmelos, Anacardium occidentale* (kacang mete, cashew nut), *Annona reticulata* (buah nona, srikaya, bullock's heart), *Annona squamosa* (srikaya, sweetsop), *Areca catechu* (pinang, betelnut palm), *Artocarpus altilis, Artocarpus heterophyllus* (nangka, jackfruit), *Averrhoa carambola* (belimbing, star fruit),	buah, media tanam (tanah)	America: USA Asia: Bangladesh, Bhutan, Cambodia, China, Hong Kong, India, Laos, Myanmar, Nepal, Pakistan, Sri Lanka, Taiwan, Thailand, United Arab Emirates, Vietnam. Oceania: Belau, French Polynesia, Mariana Islands, Nauru, New Caledonia, Palau

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		Capsicum annuum (cabai besar, paprika, bellpepper), *Carica papaya* (pepaya, pawpaw, papaya), *Chrysophyllum cainito*, Citrus, Citrus *aurantiifolia* (lime), *Citrus maxima* (pummelo), Citrus reticulata (mandarin), *Coffea arabica* (arabicacoffee), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Dimocarpus longan* (longan), *Diospyros kaki* (kesemek, persimmon), *Ficus racemosa, Flacourtia indica* (governor's plum), *Malpighia glabra, Malus domestica* (apel, apple), *Mangifera foetida, Mangifera indica* (mangga, mango), *Manilkara zapota* (sawo, sapodilla), *Mimusops elengi* (spanish cherry),*Momordica charantia* (paria, bitter gourd), *Muntingia calabura* (Jamaica cherry), Musa (pisang, banana), *Nephelium lappaceum* (rambutan), *Persea americana* (avokad, avocado), *Prunus armeniaca* (aprikot, apricot), *Prunus avium* (sweet cherry), *Prunus*		

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		cerasus (sour cherry), *Prunus domestica* (plum), *Prunus mume* (Japanese apricot), *Prunus persica* (persik, peach), *Psidium guajava* (jambu, guava), *Punica granatum* (delima, pomegranate), *Pyrus communis* (pir, European pear), *Spondias purpurea*(red mombin), *Syzygium aqueum* (watery rose-apple), *Syzygium aromaticum* (cengkeh, clove), *Syzygium cumini*, *Syzygiumjambos* (rose apple), *Syzygium malaccense* (jambu bol, malay-apple), *Syzygium samarangense*, *Terminalia catappa* (ketapang, Indian almond), *Ziziphus jujuba*, *Ziziphus mauritiana*	buah, media tanam (tanah)	Afrika: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republik, Chad, Congo, DR Cogo, Ivory Coast, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Madagascar, Mali, Mauritania, Mayotte, Mozambique,
37.	*Bactrocera invadens*Drew, Tsuruta & white; Diptera: Tephritidae	II	*Maerua duchesnei*, *Mangifera indica* (mangga, mango), *Psidium guajava* (jambu, guava) *Anacardium occidentale* (*cashew nut*), *Ananas comosus* (nanas, pineapple), *Annona cherimola* (cherimoya), *Annona muricata* (sirsak, soursop), *Annona squamosa* (markisa, sugar		

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		apple), *Averrhoa carambola* (belimbing, star fruit), *Bligbia sapida* (akee apple), *Capsicum annuum* (paprika, bell pepper), *Capsicum frustescens* (cabai rawit, chilli), *Carica papaya* (pepaya, papaya), *Chrysophyllum albidum*, *Citrullus colocynthis* (colocynth), *Citrullus lanatus* (semangka, watermelon), *Citrus aurantium* (sour orange), *Citrus limon* (jeruk lemon, lemon), *Citrus reticulata* (jeruk mandarin, mandarin), *Citrus sinensis* (navel orange), *Citrus x paradisi* (grapefruit), *Cordia sinensis*, *Cucumis ficifolius*, *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima* (labu parang, giant pumpkin), *Cucurbita pepo* (labu parang, ornamental gourd), *Diospyros kaki* (perismmon), *Diospyros montana*, *Dracaena steudneri*, *Durio zibethinus* (durian, durian), *Eriobotrya japonica* (loquat), *Ficus sycomorus*, *Flacourtia indica*, *Fortunella japonica*, *Garcinia mannii*,		Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: Bhutan, India, Sri Lanka	

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		Irvingia gabonensis, Landolphia, *Malus domestica* (apel, apple), *Momordica charantia* (paria, bitter gourd), Musa, *Musa x paradisiaca* (pisang, banana), *Nauclealatifolia* (pin cushion tree), *Persea americana* (avokad, avocado), *Prunus persica* (persik, peach), *Saba senegalensis*, *Sclerocarya birrea* (marula), *Solanum lycopersicum* (tomat, tomato), *Sorindeia madagascariensis*, *Spondias dulcis* (otaheite apple), *Spondias mombin* (hog plum), *Strychnos mellodora*, *Syzygium jambos*, *Syzygium malaccense*, *Syzygium semarangense*, *Terminalia catappa*, *Vitellaria paradoxa*, *Ziziphus mauritania*			
38.	*Bactrocera jarvisi*(Tryon); (=*Afrodacus jarvisi* =*Dacus jarvisi=D.australis* =*Chaetodacus jarvisi*); Diptera: Tephritidae; Fiji fruitfly, Jarvis's fruitfly	II	*Mangifera indica* (mangga, mango), *Psidium guajava* (jambu biji, guava), *Terminalia catappa*(ketapang, Indian almond) *Anacardium occidentale* (jambu mete, cashew-nut), *Annona glabra*, *Annona muricata* (sirsak, soursop), *Areca catechu* (pinang,	buah, media tanam (tanah)	Oceania: Australia	

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betelnut palm), *Averrhoa carambola*(belimbing, star-fruit), *Carica papaya* (pepaya, pawpaw,papaya), *Citrus* spp (jeruk, orange), *Cydonia oblonga* (kwinsi, quince), *Diospyros blancoi*, *Diospyros kaki* (kesemek, persimmon), *Feijoa sellowiana*, *Fortunella japonica* (kumkwat, kumquat), *Malus domestica* (apel, apple), *Malpighia emarginata*, *Musa paradisiaca* (pisang, kepok, plantain), *Opuntia* sp., *Passiflora quadrangularis*(markisa, passion-fruit, granadilla), *Persea americana* (avokad, avocado), *Planchonia careya*, *Pouteria campechiana*, *Pouteria caimito*, *Prunus americana* (aprikot, apricot), *Prunus persica* (persik, peach), *Psidium cattleianum*, *Punica granatum* (delima, pomegranate), *Pyrus communis* (pir, pear), *Spondias purpurea*, *Syzygium aqueа* (jambu air, star apple), *Psidium guajava* (jambu biji, guava), *Syzygium malaccense* (jambu bol, malay apple),				

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		Syzygium samarangense (jambu Semarang, Java apple), *Terminalia arenicola*			
39.	*Bactrocera kandiensis*Drew &Hancock; (=*Bactrocera* sp. *near dorsalis*); Diptera: Tephritidae; Sri Lankan fruit fly	II	*Anacardium occidentale* (jambu mete, cashew-nut), *Annona glabra*, *Areca catechu* (pinang, betelnut palm), *Artocarpus integrifolius* (nangka, jackfuit), *Artocarpus heterophyllus* (nangka, jackfruit), *Averrhoa carambola*(belimbing, carambola, star-fruit), *Citrus maxima*, *Mangifera indica* (mangga, mango), *Persea americana* (avokad, avocado), *Psidium guajava* (jambu biji, guava), *Punica granatum* (delima, pomegranate), *Spondias cytherea*, *Syzygium aromaticum* (cengkeh, clove), *Syzygium aquea* (jambu air, star apple), *Mangifera indica* (mangga, mango) *Carica papaya* (pepaya, pawpaw, papaya)	buah, media tanam (tanah)	Asia: Sri Lanka
40.	*Bactrocera kinabalu*Drew & Hancock; Diptera: Tephritidae; Kinabalu fruit fly	II	*Persea americana* (avokad, avocado)	buah, media tanam (tanah)	Asia: Malaysia
41.	*Bactrocera neohumeralis* Hardy; (=*Chaetodacus*	II	*Psidium guajava* (jambu biji, guava)	buah, media tanam	Oceania: Australia, Papua New Guinea.

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humeralis=C. tryoni var. *sarcocephali =Dacus neohumeralis =Dacus tryoni* var. *neohumeralis);* Diptera: Tephritidae; lesser Queensland fruit fly		*Anacardium occidentale* (jambu mete, cashew), *Annona* spp. (buah nona, sirsak, srikaya, annona, soursop, sweetsop), *Annona glabra, Annona muricata, Annona reticulata, Annona squamosa*(sugar apple),*Averrhoa carambola* (belimbing, carambola, star fruit), *Cananga odorata* (kenanga, cadmia), *Carica papaya* (pepaya, pawpaw, papaya), *Citrus* spp. (jeruk, orange), *Clausena lansium*, *Calophyllum inophyllum* (nyamplung, Alexandrian laurel), *Coffea* spp. (kopi, coffee), *Capsicum annuum* (cabai besar, paprika, bell pepper), *Crateva religiosa*, *Chrysophyllum cainito* (kenitu, sawo duren, cainito), *Casimiroa edulis*, *Cyphomandra betacea*, *Diospyros blancoi, Diospyros kaki* (kesemek, persimmon), *Eriobotrya japonica* (lokwat, loquat), *Eugenia dombeyi*, *Eugenia uniflora,Feijoa sellowiana, Fortunella japonica* (kumkwat,	(tanah)	

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			kumquat), *Solanumlycopersicum*(tomat, tomato), *Malus domestica* (apel, apple), *Malpighia emarginata*, *Mangifera indica* (mangga, mango), *Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Morus nigra* (murbei, mulberry), *Musa x paradisiaca* (pisang kepok, plantain), *Muntingia calabura* (kersen, talok, Jamaica cherry), *Myrciaria cauliflora*, *Passiflora* spp, *Phoenix dactylifera* (kurma, date-palm), *Pouteria caimito*, *Prunus americana* (aprikot, apricot), *Prunus domesticum* (plam, plum), *Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), *Rollinia mucosa*, *Rubus rosaefolius*, *Solanum laciniatum*, *Solanum seaforthianum*, *Spondias mombin*, *Spondias purpurea*, *Synsepa hum dulcificum*, *Syzygium* spp, *Terminalia catappa*, *Vitis labrusca*, *Ziziphus jujuba*.	buah, media tanam (tanah)	Oceania: Fiji, Niue, Tonga, Tuvalu, Wallis-Futuna.
42.	*Bactrocera passiflorae*(Froggatt); (=*Bactrocera passiflorae*	II	*Anacardium occidentale*, *Artocarpus altilis*, *Carica papaya* (pepaya,		

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=*Chaetodacus passiflorae* =*Dacus passiflorae* =*Strumeta passiflorae*); Diptera: Tephritidae; Fijian fruit fly		pawpaw,papaya), *Citrus* spp.(jeruk, orange), *Citrus aurantifolia, Citrus reticulata, Mangifera indica* (mangga, mango), *Passiflora edulis, Passiflora quadrangularis* (markisah, passion-fruit, granadilla), *Persea americana* (avokad, avocado), *Psidium guajava* (jambu biji, guava) *Theobroma cacao* (kakao, cocoa)			
43. *Bactrocera philippinensis* Drew & Hancock; Diptera: Tephritidae; Phillippines fruit fly	II	*Mangifera indica* (mangga, mango), *Artocarpus communis* (sukun, breadfruit), *Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Averrhoa carambola*(belimbing, star-fruit), *Ananas comosus* (nanas, pineapple), *Carica papaya* (pepaya, pawpaw, papaya), *Citrus* spp.(jeruk, orange), *Psidium guajava* (jambu biji, guava), *Pouteria dukkitan, Spondias purpurea, Syzygium malaccense* (jambu bol, malay apple)	buah, media tanam (tanah)	Asia: Philippines	
44. *Bactrocera psidii*(Frogg.); (=*Dacus psidii =D. ornatissimus =D. virgatus=Strumeta psidii =Tephritis psidii*); Diptera:	II	*Psidium guajava* (jambu biji, guava), *Prunus persica* (persik, peach) *Aleurites moluccana* (kemiri, candle nut), *Anacardium*	buah, media tanam (tanah)	Oceania:New Caledonia	

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Tephritidae; South Sea guava fruit fly		*occidentale* (jambu mete, cashew-nut), *Annona muricata, Annona reticulata, Annona squamosa*(srikaya, sweetsop), *Carica papaya* (pepaya, papaya, pawpaw), *Cerbera manghas, Caryophyllus* sp., *Citrus maxima* (jeruk Bali, pummelo), *Diospyros bicolor, Diospyros kaki, Diospyros macrocarpa, Eugenia uniflora, Diospyros* sp., *Ficus* spp., *Mangifera indica* (mangga, mango), *Malphigia glabra, Morus alba,Psidium cattleianum, Psidium guajava*(jambu biji, guava), *Prunus granatum, Prunus domestica* (plum), *Prunus persica* (persik, peach), *Syzygium aquea* (jambu air, star apple), *Syzygium jambos, Syzygium malaccense* (jambu bol, malay apple), *Terminalia catappa* (ketapang, indian almond),*Thevetia peruviana, Vitis vinifera* (anggur, grape)			
45.	*Bactrocera pyrifoliae*Drew & Hancock; Diptera: Tephritidae; pyrifolia fruit fly	II	*Psidium guajava* (jambu biji, guava), *Prunus persica* (persik, peach), *Pyrus pyrifolia* (Pear)	buah, media tanam (tanah)	Asia: Thailand, Vietnam

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46.	*Bactrocera tryoni*(Froggatt); (=*Bactrocera tryoni* =*Chaetodacus sarcocephali* =*Chaetodacus tryoni* =*Dacus tryoni* =*D. ferrugineus tryoni* =*Strumeta melas* =*Strumeta tryoni* =*Tephritis tryoni*); Diptera: Tephritidae; Queensland fruit fly	II	*Anacardium occidentale* (jambu mete, cashew-nut), *Anona* spp, *Averrhoa carambola* (belimbing, star-fruit), *Carica papaya* (pepaya, pawpaw, papaya), *Coffea* spp. (kopi, coffee), *Capsicum annuum* (cabai besar, paprika, bell-pepper), *Chrysophyllum cainito*, *Casimiroa edulis*, *Eriobotrya japonica* (lokwat, loquat), *Eugenia uniflora*, *Fortunella japonica* (kumkwat, kumquat), *Solanumlycopersicum*(tomat, tomato), *Malus sylvestris (crab-apple)*, *Mangifera indica* (mangga, mango), *Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Morus nigra*, *Passiflora quadrangularis*(markisa, passion-fruit, granadilla), *Passiflora suberosa*,*Prunus persica* (persik, peach), *Psidium cattleianum*, *Psidium guajava* (jambu biji, guava), *Syzygium* spp, *Terminalia catappa* (ketapang, indian almond). *Aegle marmelos* (maja, bael	buah, media tanam (tanah)	Oceania: Australia, Polynesia France, New Caledonia.		

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		fruit), *Annona squamosa* (srikaya, sweetsop), *Averrhoa bilimbi* (belimbing sayur, bilimbi), *Blighia sapida*, *Cananga odorata* (kenanga, cadmia), *Citrus* spp., *Clausena lansium*, *Calophyllum inophyllum* (nyamplung, alexander laurel), *Cucurbita maxima*(waluh, labu parang, pumpkin), *Cydonia oblonga* (kwinsi, quince), *Cyphomandra betacea*, *Dimocarpus longan* (kelengkeng, longan), *Diospyros blancoi*, *Diospyros kaki* (kesemek, persimmon), *Dovyalis caffra*, *Eremocitrus glauca*, *Eugenia dombeyi*, *Feijoa sellowiana*, *Ficus racemosa*, *Flacourtia jangomas*, *Flacourtia rukam* (rukem, rukam), *Fortunellax crassifolia*, *Grewia asiatica*, *Juglans regia* (walnut, walnut), *Dimocarpus litchii* (leci,litchii), *Malpighia emarginata*, *Mimusops elengi* (tanjung, asian bulletwood), *Momordica charantia* (paria, bitter gourd), *Morus alba*		

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		(murbei, mulberry), *Musa paradisiaca* (pisang kepok, plantain), *Myrciaria cauliflora*, *Nephelium lappaceum* (rambutan, rambutan), *Nerium oleander*, *Olea europea subsp. europea* (zaitum, olive), *Opuntia ficus-indica*, *Passiflora foetida*, *Passiflora quadrangularis* (markisa, passion fruit, granadilla), *Persea americana* (avocad, avocado), *Phoenix dactylifera* (kurma, dates-palm), *Physalis peruviana* (goosebery), *Pometia pinnata*, *Pouteria campechiana*, *Pouteria caimito*, *Pouteria sapota*, *Prunus* spp., *Psidium guineense*, *Punica granatum* (delima, pomegranate), *Phyllanthus acidus*, *Pyrus communis* (pir, pear), *Rollinia mucosa*, *Rollinia pulchrinervis*, *Rubus fruticosa*, *Rubus ursinus*, *Solanum melongena* (terung, eggplant), *Solanum* spp., *Spondias* spp., *Synsepalum dulcificum*, *Syzygium* spp., *Thevetia peruviana*, *Trichosanthes cucumerina*, *Vitis labrusca*,		

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		Vitis vinifera (anggur, grapevine), *Ziziphus mauritiana*			
47.	*Bactrocera tsuneonis*(Miyake); (=*Dacus chenia* =*D. tsuneonis* =*Tetradacus tsuneonis*); Diptera: Tephritidae; Japanese orange fly, Citrus fruit fly	II	*Citrus* spp.(jeruk, orange), *Citrus aurantium*, *Citrus reticulata*, *Citrus sinensis*, *Fortunella margarita* (oval kumquat), *Fortunella x crassifolia*, *Musa* spp. (pisang, banana)	buah, media tanam (tanah)	Asia: China, Japan, Taiwan, Vietnam
48.	*Bothynus gibbosus* De Geer; (=*Liggyrus gibbosus* =*L. californicus*); Coleoptera: Scarabaeidae; carrot beetle, carrot head beetle, muck beetle	II	*Apium graveolens* (seledri, celery), *Daucus carota* (wortel, carrot), *Helianthus anuus* (bunga matahari, sunflower), *Ipomoea batatas* (ubi jalar, sweet potato), *Solanum tuberosum* (kentang, potato), *Zea mays* (jagung, corn)	batang, umbi, akar, tanah	America: Canada, Mexico, USA
49.	*Busseola fusca* Fuller; (=*Calamistis fusca* =*Busseola sorghicida* =*Sesamia fusca*); Lepidoptera: Noctuidae; African maize stalk borer, maize stalk borer, sorghum stalk/stem borer	II	*Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum) *Eleusine coracana*, *Oryza sativa* (padi, paddy),*Pennisetum glaucum* (bajra, pearl-millet), *Sacchарum officinarum* (tebu, sugarcane), *Hyparrhenis rufa*, *Hyparrhenis tamba*, *Megathyrsus maximus*, *Pennisetum purpureum*, *Rotboellia cochinchinensis*	batang, stalk, daun, bunga, akar	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Chad, DR Congo, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Lesotho, Malawi, Mozambique, Nigeria, Rwanda, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

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50.	*Caliothrips masculinus* Hood; Thysanoptera: Thripidae	II	*Manihot esculenta* (ubi kayu, cassava)	daun		America: Trinidad and Tobago
51.	*Carposina sasakii* Matsumura; (=*Carposina niponensis* (Wals.) =*C. persicana* =*Cydia persicana*); Lepidoptera: Carposinidae; peach fruit moth, peach fruit borer	II	*Malus domestica* (apel, apple), *Pyrus communis* (pir, pear), *Prunus persica* (persik, peach) *Aronia arbutifolia, Chaenomeles japonica, Cornus mas, Crataegus aneata, Cydonia oblonga* (quince), *Eriobotrya japonica* (lokwat, loquat), *Malus* spp., *Phoenix dactylifera* (kurma, dates-palm), *Prunus americana* (aprikot, apricot), *Prunus cerrasus* (ceri, cherry), *Prunus domesticum* (plum), *Prunus dulcis* (almond), *Sorbus aucuparia, Ziziphus jujube*	buah		Asia: China, Japan, Korea DPR (North Korea), Republic of Korea (South Korea). Europe: Russia
52.	*Caulophilus oryzae*(Gyllenhal); (=*Caulophilus latinasus=Rhyncolus oryzae*); Coleoptera: Curculionidae; broad nosed grain weevil, broad nosed granary weevil	II	*Cicer aretinum* (chickpea), *Panicum miliaceum* (millet), *Pennisetum* spp., *Zea mays* (jagung, corn) *Ipomoea batatas* (ubi jalar, sweet potato), *Persea americana* (avokad, avocado), *Zingiber officinale* (jahe, ginger)	biji, umbi, akar, rhizome		America: Cuba, Guatemala, Jamaica, Mexico, Panama, Puerto Rico, USA Europe: Portugal
53.	*Cephus cinctus*Norton; (=*Cephusoccidentalis*); Hymenoptera: Cephidae; wheat stem sawfly western wheat-stem fly	II	*Triticum aestivum* (gandum, wheat), serealea (cerealia) Agropyron, Elymus, *Hordeum vulgare* (barli, barley), Phleum	batang		America: Canada, USA. Asia: Kazakhstan Europe: Russia

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54.	*Ceratitis capitata*(Wiedemann); (=*Ceratitis citriperda* =*Ceratitis hispanica* =*Tephritis capitata*); Diptera: Tephritidae; Mediterranean fruit fly, medfly	II	*Gossypium barbadens* (kapas, cotton), *Coffea* spp. (kopi, coffee), *Vitis vinifera* (anggur, grapevine), *Persea americana* (avokad, avocado), *Annona* spp., *Malus domestica* (apel, apple), *Capsicum annuum* (cabai besar, paprika, bell-pepper), *Citrus* spp.(jeruk, orange), *Mangifera indica* (mangga, mango), *Solanumlycopersicum*(tomat, tomato), *Theobroma cacao* (kakao, cocoa), *Psidium guajava* (jambu biji, guava) *Anacardium occidentale* (jambu mete, cashew-nut), *Annona reticulata, Citrus* spp, *Carissa spp., Chrysophyllum cainito, Casimiroa edulis, Cyphomandra betacea, Dovyalis caffra, Eugenia* spp., *Garcinia mangostana* (manggis, mangosteen), *Juglans regia, Dimocarpus litchii* (leci,litchii), *Malpighia glabra, Achras* (= *Manilkara) zapota* (sawo, sapodilla), Morus, *Mespilus germanica, Muntingia calabura* (kersen, talok, jamaica cherry), *Opuntia* spp., *Passiflora*	buah, media tanam (tanah)	Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Comoros, DR Congo, Congo, Egypt, Ethiopia, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Liberia, Libya, Madagascar, Malawi, Mali, Morocco, Mauritius, Mozambique, Niger, Nigeria, Réunion, St. Helena, Sao Tome & Principe, Senegal, Seychelles, Sierra Leone, South Africa, Spain, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe. America: Antilles Netherlands, Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Nicaragua, Panama, Paraguay, Peru, USA, Uruguay, Venezuela. Asia: China, Iran, Israel, Jordan, Lebanon, Saudi Arabia, Syria,Turkey, Yemen Europe: Albania, Bulgaria, Chile, Croatia, Cyprus, France, Greece, Italy, Malta, Portugal, Russia, Slovenia, Spain, Switzerland, Serbia, Slovenia,

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coerulea, *Phoenix dactylifera* (kurma, dates-palm), *Physalis peruviana*, *Psidium longipes*, *Punica granatum* (delima, pomegranate), *Rubus loganobaccus*, *Santalum album*, *Solanum* spp., *Spondias cytherea*, *Syzygium* spp., *Thevetia peruviana*,*Pouteria viridis*, *Carica papaya* (pepaya, pawpaw, papaya), *Chrysophyllum olivifforme*, *Cydonia oblonga* (quince), *Diospyros* spp., *Eriobotrya japonica* (lokwat, loquat), *Eugenia dombeyi*, *Eugenia uniflora*, *Feijoa sellowiana*, *Fortunella japonica* (kumkwat, kumquat), *Garcinia livingstonei*, *Mangifera indica* (mangga, mango), *Persea americana* (avocad, avocado), *Pouteria sapota*, *Prunus americana*(aprikot, apricot), *Prunus domesticum* (plam, plum), *Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), *Spondias purpurea*, *Syzygium aquea* (jambu air, star apple), *Terminalia catappa*(ketapang, indian			Bosnia and Herzegovina, Montenegro, Macedonia. Oceania: Australia.

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		almond), *Vitis vinifera* (anggur, grapevine)			
55.	*Ceratitis cosyra*(Walker); (=*Ceratitis giffardi* =*Pardalaspis cosyra* =*P.giffardi* =*P.giffardi var. sarcocephali* =*P.parinarii*=*P.sarcocephali* =*Trypeta cosyra*); Diptera: Tephritidae; mango fruit fly, marula fruit fly	II	*Mangifera indica* (mangga, mango) *Anisophyllea laurina, Annona* spp, *Annona cherimola, Annona muricata, Annona reticulata, Annona senegalensis, Canopharyngia pendulifloraa, Landolphia* sp., *Saba senegalensis, Citrus aurantium* (jeruk nipis, lime), *Chrysobalanus* sp., *Parinari mobola, Diospyros mespiliformis, Dovyalis caffra, Nauclea latifolia, Persea americana* (avokad, avocado), *Prunus persica* (persik, peach), *Psidium guajava* (jambu biji, guava), *Sclerocarya birrea, Sarcocephalus esculentus, Uapaca kirkiana, Warburgia ugandensis*	buah, media tanam (tanah)	Africa: Angola, Benin, Botswana, Burkina Faso, Cameroon, Central Africa, DR Congo, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mozambique, Nigeria, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Zambia, Zimbabwe.
56.	*Ceratitis punctata*Wied.; (=*Pardalaspis punctata=P. senegalensis =Tephritis senegalensis)*; Diptera: Tephritidae; cacao fruit fly	II	*Coffea* spp. (kopi, coffee), *Psidium guajava* (jambu biji, guava), *Passiflora quadrangularis* (markisah, granadilla, passion fruit), *Mangifera indica* (mangga, mango), *Cucumis melo* (melon, melon), *Chrysophyllum*	buah, media tanam (tanah)	Africa: Cameroon, DR Congo, Congo, Ghana, Guinea, Kenya, Senegal, Sierra Leone, South Africa, Tanzania, Uganda, Zambia, Zimbabwe.

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		albidum *Theobroma cacao* (kakao, cocoa)			
57.	*Ceratitis quinaria*(Bezzi); (=*Pardalaspis quinaria*); Diptera: Tephritidae; Rhodesian fruit fly	II	*Psidium guajava* (jambu biji, guava), *Citrus* spp.(jeruk, orange), *Prunus americana* (aprikot, apricot), *Prunus persica* (persik, peach)	buah, media tanam (tanah)	Africa: Angola, Benin, Botswana, Malawi, Mali, Namibia, Ivory Coast, South Africa, Sudan, Zimbabwe Asia: Yemen
58.	*Ceratitis rosa* Karsch.; (=*Pterandrus rosa*); Diptera: Tephritidae; Natal fruit fly	II	*Citrus* spp.(jeruk, orange), *Coffea* spp. (kopi, coffee) *Averrhoa carambola* (belimbing, star-fruit), *Carica papaya* (pepaya, pawpaw, papaya), *Citrus* spp, *Capsicum annuum* (cabai besar, paprika, bell-pepper), *Cydonia oblonga* (kwinsi, quince), *Eugenia uniflora, Ficus carica* (ara, fig), *Garcinia mangostana* (manggis, mangosteen), *Solanum lycopersicum* (tomat, tomato), *Malus domestica (*apel, apple*), Prunus americana* (aprikot, apricot), *Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Prunus domesticum* (plam, plum), *Psidium longipes, Pyrus communis* (pir, pear*), Syzygium* spp., *Terminalia catappa*(ketapang, indian almond), *Theobroma cacao*	buah, media tanam (tanah)	Africa: Ethiopia, Kenya, Lesotho, Malawi, Mauritius, Mozambique, Réunion, Seychelles, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe.

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		(kakao, cocoa), *Ziziphus jujuba*, *Annona reticulate* (fruit nona, custard apple), *Carissa macrocarpa*, *Eriobotrya japonica* (lokwat, loquat), *Dimocarpus litchii* (leci, litchii), *Mangifera indica* (mangga, mango), *Persea americana* (avokad, avocado), *Prunus persica* (persik, peach), *Psidium guajava* (jambu biji, guava), *Vitis vinifera* (anggur, grapevine)			
59.	*Chaetocnema confinis* Crotch.; (=*Chaetocnema flavicornis* =*Chaetocnema etiennei* =*Chaetocnema perplexa*); Coleoptera: Chrysomelidae; flea beetle; sweet potato flea beetle; flea beetle.	II	*Beta vulgaris* (bit, beetroot), *Calystegia sepium* (great bindweed), *Ipomoea aquatica* (swamp morning-glory), *Ipomoea batatas* (ubi jalar, sweet potato), *Ipomoea pandurata* (bigroot morningglory (USA)), *Solanum lycopersicum* (tomat, tomato), *Pharbitis purpurea* (Tall morning glory), *Zea mays* (jagung, corn) *Abutilon hybridum* (Indian mallow), *Acer negundo* (box elder), *Acer platanoides* (Norway maple), Aesculus (buckeye), *Amaranthus retroflexus* (redroot pigweed), *Arctium minus* (common	daun, tunas, bibit tanaman	Africa: Comoros, Gambia, Ghana, Madagascar, Malawi, Mauritius, Réunion, Senegal, Seychelles, South Africa America: Brazil, Canada, USA,Ecuador, El Salvador Asia: Japan, Taiwan, Thailand, Vietnam Europe: Guernsey Oceania: French Polynesia, Guam, Marshall Islands, Palau	

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burdock), *Avena sativa* (oats), *Beta vulgaris* var. *saccharifera* (sugarbeet), *Brassica napus* var. *napus* (rape), *Brassica rapa* ssp. *oleifera* (turnip rape), *Catalpa bignonioides* (Southern catalpa), *Fragaria vesca* (wild strawberry), *Fraxinus americana* (white ash), *Glycine max* (kedelai, soyabeam), Gossypium (kapas, cotton), *Helianthus tuberosus* (Jerusalem artichoke), Hibiscus (rosemallows), *Malus domestica* (apel, apple), *Medicago sativa* (alfalfa, lucerne), Mucuna (velvetbeans), *Nicotiana tabacum* (tembakau, tobacco), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), *Prunus americana* (aprikot, apricot), *Prunus avium* (sweet cherry), *Prunus na* (common chokecherrytree), Rubus (blackberry, raspberry), Secale cereale (rye), *Solanum nigrum* (black nightshade), *Solanum tuberosum* (kentang, potato), *Tilia americana* (basswood), *Trifolium pratense*				

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			(purple clover), *Triticum aestivum* (gandum, wheat), *Vitis vinifera* (anggur, grapevine)			
60.	*Chaetosiphon fragaefolii* Cockerell; (=*Capitophorus fragaefoli i=Capitophorus fragariae =Chaetosiphon fragariae =Myzus fragariae =Myzus fragaefolii =Passerinia fragaefolii =Pentatrichopus fragaefolii =Pentatrichopus fragariae;* Hemiptera: Aphididae; strawberry aphid	II	*Fragaria ananassa* (strawberry) *Fragaria chiloensis* (Chilean strawberry), *Fragaria vesca* (wild strawberry), *Fragaria vesca* var. *semperflorens* (Perpetual strawberry), *Rosa rugosa*	bibit tanaman, daun, tunas	America: Argentina, Canada, USA, Bolivia Asia: Israel, Japan, Philippines Europe: Belgium, Bulgaria, France, Germany, Italy, Macedonia, Portugal, Serbia and Montenegro, Spain, Switzerland, United Kingdom Oceania; Australia, New Zealand	
61.	*Chilo orichalcociliellus*(Strand); (=*Chilotraea argyrolepia =Diatraea orichalcociliella*; Lepidoptera: Crambidae; coastal stalk borer	II	*Saccharum officinarum* (tebu, sugarcane), *Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum), Poaceae, *Panicum miliaceum*	batang, daun, tangkai tongkol (*stalk*)	Africa: Kenya, Uganda, Burundi, Rwanda, Tanzania, Kenya, Madagascar	
62.	*Cholus cattleyae*Champion; Coleoptera: Curculionidae; cattleya weevil	II	anggrek (Orchidaceae)	tanaman, batang, daun, bunga	America: USA	
63.	*Chrysobothris femorata*Olivier; Coleoptera:	II	*Malus domestica (*apel, apple*), Prunus persica* (persik,	batang, daun, tunas	America: Canada, Mexico, USA	

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	Buprestidae; flatheaded apple tree borer		peach), *Pyrus communis* (pir, pear), other stone fruit (buah batu lainnya)		
64.	*Chrysobothris mali*Horn.; Coleoptera: Buprestidae; Pacific flatheaded apple tree borer	II	*Malus domestica (*apel, apple*), Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), other stone fruit (buah batu lainnya)	batang, daun, tunas	America: Canada, USA
65.	*Cicadulina bipunctata*(Melichar); (=*Cicadulina bipunctata bipunctella*=*C.bipunctella*=*C .bipunctella zeae*=*C.zeae =Gnathodus bipunctata*); Hemiptera: Cicadellidae; maize leaf hopper, sorghum jassid	II	*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Oryza sativa* (padi, paddy), *Sorghum bicolor* (sorgum, sorghum), *Saccharum officinarum* (tebu, sugarcane)	batang, daun	Africa: Egypt, Ethiopia Asia:Japan, Syria, Turkey Europe: Italy
66.	*Cicadulina latens*Fennah.; Hemiptera: Cicadellidae; Maize leaf hopper	II	*Zea mays* (jagung, corn)	batang, daun	Africa: Cameroon, Ethiopia, Ghana, Gambia, Guinea, Ivory Coast, Kenya, Liberia, Mali, Nigeria, Senegal, Sudan, Somalia, Tanzania, Uganda.
67.	*Cicadulina mbila*(Naude); (=*Balclutha mbila*); Hemiptera: Cicadellidae; maize leafhopper	II	*Zea mays* (jagung, corn) S): *Avena sativa* (oat, oat), *Cynodon* spp., *Digitaria sanguinalis*, *Eleusine coracana*, *Oryza glaberrima*, *Oryza sativa* (padi, paddy), *Pennisetum glaucum*, *Hordeum vulgare* (barli, barley), *Panicum* spp.,	batang, daun	Africa: Angola, Botswana, Burkina Faso, Cameroon, Cape Verde, Congo, Ethiopia, Gambia, Kenya, Mauritius, Mozambique, Namibia, Nigeria, Reunion, South Africa, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: India, Tajikistan, Yemen

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		Paspalum conjugatum, *Pennisetum* spp., *Saccharum officinarum* (tebu, sugarcane), sereal*e*a (cereal*i*a), *Sorghum bicolor* (sorgum, sorghum), *Triticum aestivum* (gandum, wheat), *Zea perennis*	batang, daun			
68.	*Cicadulina storeyi* China; (=*Cicadulina nicholsi* =*C. triangula*); Hemiptera: Cicadellidae; maize leafhopper	II	*Zea mays* (jagung, corn), Poaceae, *Pennisetum glaucum*, *Sorghum bicolor* (sorgum, sorghum)	batang, daun		Africa: Ethiopia, Nigeria, Togo, Northwest Africa, Zimbabwe
69.	*Coccus alpinus*de Lotto; Hemiptera: Coccidae ; soft green scale	II	*Syzygium aquea* (jambu air, star apple), *Psidium guajava* (jambu biji, guava), *Citrus* spp.(jeruk, orange), *Coffea* spp. (kopi, coffee)	batang, ranting, daun, buah		Africa: Burundi, Kenya, Rwanda, Tanzania, Uganda.
70.	*Coccus elongates* Signoret; Hemiptera: Coccidae;Scale insect	II	*Albizia falcataria* (L.), *Albazia* spp., *Acacia catechu*, *Acecia, elenoxylon*, *Coffee* spp. (Kopi, *coffee*),	batang, ranting, daun		Africa: Ghana, Tanzania, Uganda America: Barbados Asia: India
71.	*Coelaenomenodera elaeidis*Maulik, Coleoptera: Chrysomelidae; hispid leafminer, oilpalm leafminer	II	Elaeis *Borassus flabelifer* (lontar, palmyra palm), *Cocos nucifera* (kelapa, coconut), *Pennisetum purpureum* (rumput gajah, elephant grass), *Roystonea regia* (palem raja, royal palm).	batang, daun		Europe: Seychelles, England Africa: Angola, Benin, Botswana, Cameroon, Congo, DR Congo, Ghana, Ivory Coast, Namibia, Nigeria, Sierra Leone, South Africa, Swaziland, Zambia, Zimbabwe
72.	*Conotrachelus nenuphar*(Herbst);	II	*Prunus persica* (persik, peach), *Prunus avium*, *Prunus*	buah, tanah		America: Canada, USA

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(=*Curculio nenuphar*); Coleoptera: Curculionidae; plum curculio, American, plum weevil, peach curculio		*domesticum* (plum, plum), *Prunus cerasus* (ceri, cherry), other stone fruit *Cydonia oblonga* (kwinsi, quince), *Diospyros kaki* (kesemek, persimmon), *Fragaria ananassa* (strawberry), *Malus domestica* (apel, apple), *Prunus americana* (aprikot, apricot), *Prunus japonica*, *Pyrus communis* (pir, pear), *Malus domestica*(apel, apple),*Vaccinium* spp., *Ribes* spp., *Vitis vinifera* (anggur, grapevine), *Vitis rotundifolia*	batang, kayu, akar		
73. *Coptotermes acinaciformis* Froggatt;Isoptera: Rhinotermitidae; subterranean termite	II	*Saccharum officinarum* (tebu, sugarcane), *Pinus radiata*	batang, kayu, akar	Oceania: widespread	
74. *Coptotermes formosanus* Shiraki; Isoptera: Rhinotermitidae;Formosan subterranean termite, Formosan termite	II	*Acer rubrum*, *Chamaecyparis thyoides*, *Cinnamomum camphora*, Eucalyptus, *Fraxinus berlanderiana*, *Liquidambar styraciflua*, *Picea engelmannii*, Pinus (pines), Quercus (oak), *Saccharum officinarum*, *Taxodium distichum*	batang, kayu, akar, furniture	Africa: South Africa America: USA Asia: China, Taiwan	
75. *Coptotermes heimi* (Wasmann);Isoptera:	II	*Acacia nilotica* (gum arabic tree), *Eucalyptus tereticornis*	batang, kayu, akar	Asia: Bangladesh, India, Pakistan	

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	Rhinotermitidae		(forest red gum), Morus (mulberry tree), Populus (poplars), *Prunus domestica* (plum)		
76.	*Corythucha marmorata*Uhler; Hemiptera: Tingidae; *Chrysanthemum* lace bug	II	*Chrysanthemum* spp. (krisan, chrysant)	batang, daun, bunga	America: USA Asia: Japan
77.	*Crioceris asparagi*(Linnaeus); Coleoptera: Chrysomelidae; Asparagus beetle	II	*Asparagus officinalis* (asparagus, asparagus)	batang, daun, bunga	America: Canada, USA. Europe: all
78.	*Crioceris duodecimpunctata*(Linnaeus); (=*Chrysomela duodecimpunctata=Lema duodecimpunctata)*; Coleoptera: Chrysomelidae; spotted Asparagus beetle, twelve-spotted Asparagus beetle	II	*Asparagus officinalis* (asparagus, asparagus)	batang, daun, bunga	America: Canada, North America, USA Europe: France, Italy, Netherland
79.	*Cryptophlebia leucotreta* Meyrick; (=*Argyroploce leucotreta=Cryptophlebia roerigii=Thaumatotibia roerigii=Olethreutes roerigii=Olethreutes leucotreta =Thaumatotibia leucotreta)*; Lepidoptera: Tortricidae; false codling moth, *Citrus* codling moth, orange codling moth	II	*Abutilon hybridum, Ananas comosus* (nanas, pineapple), *Annona muricata* (sirsak, soursop), *Averrhoa carambola*(belimbing, carambola, star-fruit), *Camellia sinensis* (teh, tea), *Capsicum annuum* (cabai besar, paprika, bell-pepper), *Ceiba pentandra* (kapuk	buah, bunga	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Cape Verde, Central Africa, Chad, DR Congo, Ivory Coast, Eritrea, Ethiopia, Gambia, Ghana, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Reunion, Rwanda, St. Helena, Senegal, Sierra Leone, Somalia,

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		randu, kapok), *Citrus* spp. (jeruk, orange), *Coffea* spp. (kopi, coffee), *Coffea arabica* (kopi arabika, arabica coffee), Gossypium (kapas, cotton), *Litchi chinensis* (leci, lichi), *Mangifera indica* (mangga, mango), *Olea europea subsp. europea* (zaitum, olive), *Persea americana* (avokad, avocado), *Prunus persica* (persik, peach), *Psidium guajava*(jambu biji, guava), *Punica granatum* (delima, pomegranate), *Sorghum bicolor* (sorgum, sorghum), *Zea mays* (jagung, corn) *Abelmoschus moschatus* (okra, lady's finger), *Dimocarpus litchii* (leci, lychee), *Macadamia ternifolia*			South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: USA Asia: Israel
80.	*Cryptotermes domesticus* Haviland; Isoptera: Kalotermitidae; drywood termite	II	Any hardwood and softwood	batang, kayu	America: Panama, Trinidad and Tobago Asia: China,Japan, Malaysia, Singapore, Thailand Oceania: Australia, Cook Islands, French Polynesia, Guam, Papua New Guinea, Salomon Islands, Samoa, Vanuatu
81.	*Cydia pomonella* Linnaeus; (=*Laspeyresia pomonella*	II	*Malus domestica (*apel, apple*), Pyrus communis (*pir, pear*),*	buah	Africa: Algeria, Egypt, Libya, Mauritius, Morocco, Portugal,

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=*Carpocapsa pomonella* =*C. pomonana* =*Enarmoniapomonella* =*Phalaena pomonella*); Lepidoptera: Tortricidae; codling moth, walnut worm		*Prunus americana* (aprikot, apricot), *Prunus persica* (persik, peach), *Prunus domesticum* (plam, plum), *Prunus cerrasus* (ceri, cherry), *Prunus dulcis* (almon, almond), *Zea mays* (jagung, corn)		South Africa, Spain, Tunisia America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Mexico, Peru, Uruguay, USA Asia: Afghanistan, Armenia, Azerbaijan, China, Georgia, India, Iran, Iraq, Israel, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Pakistan, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Austria, Belarus, Bulgaria, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Serbia and Montenegro, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Oceania: Australia, New Zealand
82. *Cylas puncticollis* Boheman; (=*Cylas compressus*); Coleoptera: Apionidae; African sweet potato weevil,	II	*Ipomoea batatas* (ubi jalar, sweet potato) Abelmoschus, *Astripomoea lachnosperma*, Boerhavia,	batang, daun, umbi	Africa: Burundi, Cameroon, Cape Verde, Central Africa, Chad, DR Congo, Congo, Ethiopia, Guinea, Ivory Coast,

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	sweet potato weevil		Celosia, *Coffea* spp. (kopi, coffee), Commelina, Corchorus, Hibiscus, *Ipomoea eriocarpa, Sesamum indicum* (wijen, sesame), *Vigna cylindrical* (kacang tunggak, long bean), *Vigna unguiculata, Zea mays* (jagung, corn)		Kenya, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, Sudan, Tanzania, Uganda, Zambia
83.	*Dacus ciliatus*Loew; (=*Dacus brevistylus, =D. appoxanthus* var. *decolor =D. coccinae =D. insistens =D. sigmoides =Didacus ciliatus =Leptoxyda ciliata =Tridacus malloyi*; Diptera: Tephritidae; lesser melon fly, lesser pumpkin fly	II	*Coccinia trilobata, Corallocarpus ellipticus, Cucumis aculeatus, Cucumis africanus, Cucumis dipsaceus, Cucumis melo, Cucumis metuliferus, Cucumis myriocarpus, Cucurbita maxima, Cucurbita pepo,* Cucurbitaceae, *Kedrostis foetidissima, Kedrostis leloja, Lagenaria siceraria, Momordica balsamina, Momordica charantia, Momordica rostrata, Peponium mackenii, Trichosanthes cucumerina* var. *anguinea Citrullus colocynthis, Citrus sinensis, Cucumis sativus, Luffa acutangula, Luffa aegyptiaca, Solanum lycopersicum* (tomat, tomato)	buah, media tanam (tanah)	Africa: Angola, Cameroon, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Kenya, Lesotho, Malawi, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Reunion, Rwanda, Saint Helena, Senegal, Somalia, South Africa, Northwest Africa, Sudan, Tanzania, Togo, Uganda, DR Congo, Zambia, Zimbabwe Asia: Bangladesh, India, Iran, Israel, Jordan, Myanmar, Oman, Pakistan, Sri Lanka, Saudi Arabia, Thailand, United Arab Emirates, Yemen.
84.	*Delia antiqua*Meigen; (=*Anthomyia antique =A. ceparum =Chortophila*	II	*Allium cepa* (bawang bombay, onion), *Allium ascalonicum*(bawang merah,	batang, daun, umbi, media	Africa: Crozet Islands, Egypt America: Antigua and Barbuda, Brazil, Canada,

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antiqua =Delia cepetorum =Hylemya antiqua =H. ceparum =Leptohylemyia antique =Pegomyia ceparum =P. cepetorum =Phorbia ceparum =P. cepetorum =P. antiqua; Diptera: Anthomyiidae; onion maggot, onion fly		shallot), *Allium* porrum (bawang prei, leek) *Allium cepa* var. *aggregatum, Allium fistulosum, Allium sativum* (bawang putih, garlic), *Allium schoenoprasum, Allium* spp.	tanam, tanah, akar	Colombia, Costa Rica, Mexico, USA Asia: Armenia, China, Georgia, India, Iran, Iraq, Israel, Japan, Kazakhstan, Korea DPR (North Korea), Republic of Korea (South Korea), Mongolia, Philippines, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Spain, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia	
85. *Delia arambourgi*(Seguy); (=*Delia dispar =Hylemya dispar =Hylemya arambourgi*; Diptera: Anthomyiidae; barley fly	II	*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Saccharum officinarum* (tebu, sugarcane), serealia lainnya (other cerealia)	batang, daun, akar, media tanam, tanah	Africa: Ethiopia	
86. *Delia platura*(Meigen); (=*Anthomyia cana =A.corelia =A.deceptiva =A.diversa =A.funesta =A.lanicrus =A.perrima =A.platura =A.platygaster*	II	*Gossypium hirsutum, Hordeum vulgare* (barli, barley), *Juniperus na, Larix laricina, Phaseolus lunatus, Raphanus sativus* (lobak, radish), *Trifolium repens, Vicia*	biji, akar, media tanam, tanah	Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Madagascar, Morocco, Rwanda, St. Helena, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zimbabwe	

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=*A.radicum* var. *calopteni* =*A.raphani* =*A.rubifrons* =*A.sergia* =*A.tinia* =*A.trifilis* =*A.tyana* =*A.viana* =*A.zeas* =*Aricia fusciceps* =*Chortophila cana*=*C.deceptiva* =*C.prisca* =*C.rubifrons* =*C.spinipes* =*C.trifilis* =*Delia cilicrura* =*D.prisca* =*Dialyta cupreifrons* =*Eriphia marginata* =*Homalomyia rava* =*Hylemya cana* =*H.deceptiva* =*H.fusciceps* =*H.platura* =*H.prisca* =*H.spinipes* =*H.trifilis* =*Pegomyia fusciceps* =*Phorbia cilicrura* =*P.fusciceps* =*P.novazealandica* =*P.prisca* =*P.spinipes* =*H.cilicrura* =*Chortophila cilicrura* =*Phorbiaplatura*); Diptera: Anthomyiidae; corn seed maggot, bean seed fly, seed potato maggot		*faba*, *Allium ascalonicum* (bawang merah, shallot), *Asparagus officinalis* (asparagus, asparagus), *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Brassica oleracea capitata* (kubis, cabbage), *Citrullus lanatus*, *Citrullus vulgaris*(semangka, watermelon), *Cucumis sativus* (mentimun, cucumber), *Glycine max* (kedelai, soyabean), *Pinus merkusii (tusam, pinetree) albus*, *Nicotiana tabacum* (tembakau, tobacco), *Phaseolus coccineus*, *Vigna* spp. (buncis, cowpea), *Pisum sativum* (kapri, sweet pea), *Solanum tuberosum* (kentang, potato), *Spinacia oleracea* (bayam, spinach), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn)		America: Argentina, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Greenland, Mexico, Peru, Uruguay, USA, Uruguay, Venezuela Asia: Azerbaijan, China, Georgia, India, Iran, Iraq, Israel, Japan, Kazakhstan, Korea DPR (North Korea), Republic of Korea (South Korea), Lebanon, Nepal, Pakistan, Saudi Arabia, Sri Lanka, Syria, Taiwan, Turkey, Uzbekistan, Yemen Europe: Albania, Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech, Denmark, Faroes Islands, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand

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87.	*Delia radicum*Linnaeus; (=*Anthomyia brassicae =A. radicum =Aricia villipes =Chortophila appendiculata =C. floccosa =C. frontalis =Delia brassicae =Eustalomyia brassicae =Hylemya brassicae =H. brassicae =Musca radicum =Pegomya brassicae =Erioischia brassicae =Chortophila brassicae =Phorbia brassicae);* Diptera: Anthomyiidae; cabbage maggot, cabbage root fly, radish fly	II	*Brassica oleracea capitata* (kubis, cabbage), *Brassica oleracea, Brassica oleracea* var. *gemmifera, Brassica oleracea* subsp. *italica,* Cruciferae *Brassica napus* var. *napobrassica, Brassica rapa* subsp. *pekinensis, Matthiola* spp., *Raphanus sativus* (lobak, radish), *Armoracia rusticana*	batang, daun, akar, media tanam, tanah	Africa: Algeria, Morocco America: Canada, USA Asia: Armenia, China, Georgia, Israel, Kazakhstan, Turkey, Uzbekistan Europe: Austria, Belarus, Belgium, Bulgaria, Czech, Denmark, Estonia, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Hungary, Iceland, Ireland, Italy, Latvia, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom
88.	*Dendroctonus ponderosae* Hopkins;*Coleoptera:* Scolytidae; pinus beetle, mountain pine beetles	II	*Pinus* spp	batang, ranting, kayu	America: USA, Canada
89.	*Diabrotica undecimpunctata* Mannerheim; (=*Chrysomela duodecimpunctata =Crioceris sexpunctata =Diabrotica duodecimpunctata =D.soror =D.undecimpunctata* subsp. Howardi Barber*);* Coleoptera: Chrysomelidae; 12-spotted cucumber	II	*Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Citrullus vulgaris* (semangka, watermelon), *Citrullus lanatus, Cucurbita pepo* (labu kuning, zucchini) *Arachys hypogaea* (kacang tanah, peanut), *Glycine max* (kedelai, soyabean), *Ipomoea batatas* (ubi jalar, sweet	batang, akar, daun, bunga, media tanam	America: Canada, El Salvador, Guatemala, Mexico, Nicaragua, USA

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	beetle, southern corn rootworm, spotted cucumber beetle, western spotted cucumber beetle		potato), *Vigna* spp. (buncis, cowpea), *Zea mays* (jagung, corn), *Chenopodium quinoa*, *Phaseolus vulgaris*(buncis, common bean)		
90.	*Diaprepes abbreviatus*(Linnaeus); (=*Curculio abbreviatus* =*Diaprepes festivus* =*D. irregularis* =*D. quadrilineatus* =*Exophthalmusabbreviatus)*; Coleoptera: Curculionidae; *Citrus* weevil, sugarcane rootstalk borer weevil, *Citrus* weevil, sugarcane rootstalk borer weevil, West Indian weevil, West Indian sugarcane root borer, West Indian weevil	II	*Citrus* spp.(jeruk, orange), *Zea mays* (jagung, corn), *Saccharum officinarum* (tebu, sugarcane), *Manihot esculenta* (ubi kayu, cassava), *Nephelium lappaceum* (rambutan, rambutan) S): *Aeschynomene americana*, *Aloe vera*, *Apium graveolens*, *Arachis hypogaea* (kacang tanah, peanut), *Ardisia crispa*, *Cajanus cajan* (kacang gude, pigeon pea), *Canavalia gladiata*, *Cedrela odorata*, *Ceiba pentandra* (kapuk, kapok), *Centrosema pubescens*, *Chrysobalanus icaco*, *Chrysophyllum cainito*, *Canocarpus erectus*, *Crotalaria*, *Dimocarpus longan*, *Dioscorea*, *Diospyros virginiana*, *Dizygotheca elegantissima*, *Eriobitrya japonica*, *erythrina barteroana*, *Erythrina poeppigiana*, *Euginia uniflora*, *Faramea occidentalis*,	akar, batang, daun	America: Antigua and Barbuda, Barbados, Costa Rica, Cuba, Dominica, Guyana France, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Montserrat, Puerto Rico, St. Kitts & Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, USA	

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		Gladiolus hybrids, *Gliricidia sepium*, *Guaiacum officinale*, *Hoya carnosa*, *Jatropha curcas*, *Juniperus conferta*, *Juniperus virginiana*, *Lablab purpureus*, *Lagerstromia speciosa*, *Manihot esculenta*, *Maranta leuconeura*, *Mucuna pruriens*, *Nephelium lappaceum* (rambutan), *Psidium guajava* (jambu biji, guava), kacang, *Coffe a*spp. (kopi, coffee), *Ipomoea batatas* (ubi jalar, sweet potato), *Mangifera indica* (mangga, mango), *Achras* (=*Manilkara) zapota* (sawo, sapodilla), *Musa* spp. (pisang, banana), *Persea americana* (avokad, avocado), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), *Phoenix dactylifera* (kurma, dates-palm), *Capsicum annuum* (cabai besar, bell-pepper), *Rhizophora mangle*, *Ricinus communis*, *Saccharum officinarum*, *Schinus terebinthifolius*, *Solanum melongena*(terung, eggplant), *Solanum tuberosum* (kentang,		

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		potato), *Sorghum bicolor* (sorgum, sorghum), *Spondias mombin*, *Spondias purpurea*, *Swietenia macrophylla*, *Swietenia mahagoni*, *Syzygium jambos*, *Terminalia catappa*, *Urena lobata*, *Ximenia americana*, *Zanthoxylum*, *Theobroma cacao* (kakao, cocoa), *Dioscorea* spp.			
91.	*Diaspidiotus perniciosus* (Comstock) Cockerell, Danzig; (=*Aonidia fusca* =*Aonidiella fusca* =*A. perniciosa* =*Aspidiotus (Comstockaspis) perniciosus* =*A. (Diaspidiotus) andromelas* =*A. (Diaspidiotus) perniciosus* =*A. (Hemiberlesiana) perniciosus* =*A. perniciosus* =*A. albopunctatus* =*A. fuscus* =*A. perniciosus* =*Comstockaspis perniciosa* =*Diaspidiotus perniciosus* =*Hemiberlesia perniciosa* =*Quadraspidiotus perniciosus* =*Q.perniciosus*); Hemiptera: Coccidae; California scale, Chinese scale, perniciosus scale,	II	*Malus domestica* (apel, apple), *Vitis vinifera* (anggur, grapevine), *Prunus cerrasus* (ceri, cherry), *Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), *Prunus persica nectarina* (nektarin, nectarine) *Citrus* spp.(jeruk, orange), buah batu (stone fruit)	batang, daun, buah, stalk	Africa: Algeria, Angola, DR Congo,Congo, Morocco, South Africa, Tunisia, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Cuba, Ecuador, Mexico, Paraguay, Peru, USA, Uruguay, Venezuela Asia: Afghanistan, Armenia, Azerbaijan, Bangladesh, Bhutan, Brunei, China, Georgia, India, Iran, Iraq, Japan, Kazakhstan, Korea DPR (North Korea), Republic of Korea (South Korea), Nepal, Pakistan, Tajikistan, Thailand, Turkey, Uzbekistan, Vietnam, Yemen Europe: Albania, Austria, Bulgaria, Croatia, Czech, France, Germany, Greece,

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	San José scale				Hungary, Italy, Moldova, Netherlands, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Switzerland, Ukraine, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
					Oceania: Australia, New Zealand
92.	*Diaspis boisduvalii* Signoret; (=*Aulacaspis boisduvalii* = *Diaspos palmarum*); Hemiptera: Diaspididae; boisduval scale, coconut snow scale, orchid, scale, pinapple scale	II	*Ananas comosus* (nanas, pineapple), *Cocos nucifera* (kelapa, coconut), *Musa* spp. (pisang, banana)	batang, daun, stalk (khusus *A. comosus*)	America: Antigua and Barbuda, Barbados, Bermuda, Brazil, Dominica, Guyana France, Guadelope, Guyana, Jamaica, Martinique, Mexico, Puerto Rico, St. Kitts & Nevis
93.	*Diatraea saccharalis* Fabricius; (=*Chilo obliteratellus* =*Crambus leucaniellus* =*C. lineoselius* =*C. sacchari* =*Diatraea continens* =*D. crambidoides* =*D. pedidocta* =*D. saccharalis va grenadensis*=*D. sacchari* =*D. sacchari* f. *brasiliensis*=*Phalaena saccharalis*=*D. obliteratella* =*D. obliteratellus*=*D.incomparell*	II	*Saccharum officinarum* (tebu, sugarcane) *Oryza sativa* (padi, paddy), *Panicum dichotomiflorum*, *Sorghum bicolor* (sorgum, sorghum), *Sorghum halepense*, *Zea mays* (jagung, corn)	batang, daun	America: Antigua and Barbuda, Argentina, Barbados, Belize, Bolivia, Brazil, British Virgin Islands, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, France Guiana, Grenada, Guadeloupe,Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St. Kitts & Nevis,St. Lucia, St. Vincent

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	a); Lepidoptera: Crambidae; sugarcane stalk borer, sugarcane borer, sugarcane moth borer, American sugarcane borer, small moth borer, small sugarcane moth borer				and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela
94.	*Diopsis longicornis*Macquart; (=*Diasemopsis macrophthalma =Diopsis macrophtalma =Diopsis thoracica)*; Diptera: Diopsidae; stalk-eyed fly	II	*Oryza sativa* (padi, paddy)	batang, daun	Africa: Cameroon, Ivory Coast, Ghana, Guinea, Kenya, Malawi, Nigeria, Sierra Leone, Togo, West Africa, Zimbabwe Asia: India, Philippines
95.	*Diorymerellus laevimargo*Champion; Coleoptera: Curculionidae; orchid weevil	II	Orchidaceae (anggrek, orchid)	batang, daun, bunga	America: Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana
96.	*Diparopsis castanea* Hmps.; (= *Diparopsis watersi.* Rothschild) Lepidoptera: Noctuidae; red bollworm, red Sudan bollworm, red Sudan cotton worm, red cotton bollworm	II	*Gossypium barbadens* (kapas, cotton) *Cefenfluegosia heldebrandii; Gossypioides kirkii; Thespesia* spp.	batang, daun, buah, biji	Africa: Botswana, Malawi, Mozambique, Nigeria, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe.
97.	*Distantiella theobromae*(Distant); Hemiptera: Miridae; cocoa capsid, brown capsid, cocoa capsid stem sapper	II	*Theobroma cacao* (kakao, cocoa), *Ceiba pentandra* (kapuk randu, kapok) *Adansonia digitata, Citrus* spp. (jeruk, orange)	batang, daun, buah	Africa: Cameroon, Congo, Ivory Coast, Ghana, Nigeria, Sierra Leonne, Togo

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98.	*Eldana saccharina* Walker; Lepidoptera: Pyralidae; sugarcane stalk borer, African sugarcane borer	II	*Saccharum officinarum* (tebu, sugarcane) *Cyperus* (flatsedge), *Cyperus alternifolius, Cyperus digitatus, Megathyrsus maximus, Oryza sativa* (padi, paddy), *Phragmites australis, Sorghum bicolor* (sorgum, sorghum), *Typha latifolia, Zea mays* (jagung, corn)	batang, daun	Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Chad, DR Congo, Congo, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zimbabwe Asia: Saudi Arabia
99.	*Empoasca facialis* Jacobi; (=*Jacobiella facialis* =*Chloritafacialis* =*Chlorita fascialis*); Hemiptera, Cicadellidae; green leafhopper	II	*Solanum melongena* (terung, eggplant aubergine)	batang, daun, buah	Africa: Congo, Gambia, Ghana, Kenya, Mauritania, Mozambique, Nigeria, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, DR Congo, Zimbabwe Asia: Cambodia, India Oceania: Australia, Fiji
100	*Empoasca lybica* De Bergevin; (=*Jacobiasca lybica* =*Austroascalybica* =*Chlorita lybica* =*C.signata* =*Empoasca benedettoi* =*E. signata* =*Jacobiasca signata*); Hemiptera: Cicadellidae; cotton jassid, green leafhopper (GLH)	II	*Gossypium barbadens* (kapas, cotton), *Solanum lycopersicum* (tomat, tomato), *Solanum tuberosum* (kentang, potato), *Cajanus cajan* (kacang gude, pigeon pea), *Vitis vinifera* (anggur, grapevine)	batang, daun, buah	Africa: Algeria, Central Africa, DR Congo, Egypt, Erythrea, Kenya, Libya, Mauritius, Morocco, Mozambique, Nigeria, Senegal, Somalia, South Africa, Sudan, Tanzania, Tunisia, Uganda America: Argentina Asia: India, Iran, Israel,

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						Lebanon, Saudi Arabia, Turkey, Yemen Europe: Albania, Italy, Portugal, Spain
101	*Empoasca onukii* Matsuda; Hemiptera: Cicadellidae; tea green leafhopper	II		*Camellia sinensis* (teh, tea)	batang, daun	Asia: Japan, Thailand
102	*Epicauta albovittata*Gestro; Coleoptera: Meloidae; stripped blister beetle	II		*Capsicum annuum* (cabai besar, paprika, bell-pepper, hot pepper, chilies, red pepper), *Arachys hypogaea* (kacang tanah, peanut), *Glycine max* (kedelai, soyabean), solanaceae	batang, daun, buah	Africa: Kenya
103	*Epicauta vittata*(Fabricius); Coleoptera: Meloidae; stripped blister beetle	II		*Solanum tuberosum* (kentang, potato), *Medicago sativa* (alfalfa, lucerne).	batang, daun, buah	Africa: DR Congo America: Canada, USA
104	*Epilachna similis*(Thunberg); (=*Chnootriba similis)*;Coleoptera: Coccinellidae; ladybird beetle, cereal ladybird	II		*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Sorghum bicolor* (sorghum), *Pennisetum* spp. *Oryza sativa* (padi, paddy)	batang, daun	Africa: Ethiopia, Ghana, Kenya, Nigeria, Senegal, South Africa, Sudan, Tanzania, Uganda, Zimbabwe
105	*Epilachna varivestis* Mulsant; (=*Epilachna corrupta=E. maculiventris)*; Coleoptera: Coccinellidae; Mexican bean beetle, bean ladybeetle, bean ladybird	II		*Citrus aurantifolia, Glycine max* (kedelai, soyabean), *Phaseolus acutifolius, Phaseolus lunatus, Phaseolus vulgaris* (buncis, common bean), *Vigna unguiculata* (kacang panjang, cowpea),	batang, daun	Asia: Japan America: Canada, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, USA

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			leguminosae lainnya (other legume)			
106	*Ernobius mollis* (Linnaeus);Coleoptera: Anobiidae; pine bark	II	*Picea abies*, Pinus	batang, kayu, kulit kayu	America: USA Europe: Italy, Spain Oceania: Australia	
107	*Eulecanium tiliae* (Linnaeus); (=*Eulecanium coryli* = *Eulecanium maii* =*Lecanium coryli* =*Physokermes coryli* = *Coccus coryli* =*Coccus tiliae* =*Coccus mali* =*Parthenolecanium coryli* =*Eulecanium ibericum* =*Coccus capreae* =*Coccus alni* =*Coccus salicum* =*Coccus fuscus* =*Coccus aceri* =*Coccus aceris campestris* =*Cocous pyri* =*Coccus rubi* =*Cocous xylostei* =*Calypticus fasciatus* =*Lecanium juglandis* =*Coccus aesculi* =*Lecanium fasciatum* =*Lecanium rubi* =*Lecanium genevense* =*Lecanium alni* =*Lecanium pyri* =*Lecanium aesculi* =*Lecanium berberidis* =*Lecanium cerasi* =*Lecanium variegatum* =*Lecanium fuscum* =*Lecanium (Eulecanium)*	II	*Acer campestre* (field maple), *Aesculus hippocastanum* (buckeye), *Crataegus monogyna* (hawthorn), *Cydonia oblonga* (quince), Ficus, Fraxinus (ashes), *Malus domestica* (apple), *Prunus domestica* (plum), *Prunus persica* (persik, peach), *Prunus salicina* (Japanese plum),*Pyrus communis* (European pear), *Acer circinatum*, *Acer macrophyllum*, *Acer negundo*, *Acer platanoides*, *Acer pseudoplatanus*, *Aesculus pavia*, *Alnus rubra*, *Betula papyrifera*, *Betula pubescens*, *Carpinus betulus*, *Cornus sanguinea*, *Corylus avellana*, *Fragaria vesca* (wild strawberry), *Holodiscus discolor*, *Juglans regia*, *Malus sylvestris*, *Myrica gale*, *Parrotia persica*, *Pistacia palestina*, *Populus alba*, *Populus Canadensis*, *Prunus*	buah, bibit tanaman	Africa: Spain (Canary Islands) America: Canada, USA Asia: Armenia, Azerbaijan, Georgia, India, Iran, Iraq, Israel, Pakistan, Turkey Europe: Bulgaria, Cyprus, Czech, Denmark, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Malta, Moldova, Netherlands, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK (Scotland)	

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aesculi =Lecanium (Eulecanium) capreae =Lecanium (Eulecanium) cerasi =Lecanium (Eulecanium) geneverense =Lecanium (Eulecanium) juglandis, Lecanium (Eulecanium) rubi =Lecanium (Eulecanium) variegatum =Eulecanium fuscum Lecanium (Saissetia) capreae =Lecanium (Eulecanium) hoferi =Lecanium websteri mirabilis =Eulecanium aceris =Eulecanium aesculi =Eulecanium alni =Eulecanium capreae =Eulecanium cerasi =Eulecanium fasciatum =Eulecanium pyri (Schrank) =Eulecanium rubi =Eulecanium variegatum =Eulecanium websteri mirabile =Eulecanium curtisi =Lecanium (Globulicoccus) fuscum =Eulecanium emerici =Globulicoccus fuscus =Lecanium mali =Eulecanium coryli cimbricus =Eulecanium gyrcanicum); Hemiptera:		*armeniaca* (apricot, apricot), *Prunus cerasifera, Prunus cerasus, Prunus laurocerasus, Prunus spinosa, Quercus iberica, Quercus ilex, Quercus robur, Quercus suber, Salix caprea, Salix viminalis,* Sorbus, *Tilia cordata, Ulmus glabra, Ulmus minor, Vaccinium myrtillus* (blueberry), *Vitis vinifera* (anggur, grapevine)		

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	Coccidae; nut scale; thorn scale					
108	*Eumerus tuberculatus*Rondani; Diptera: Syrphidae; lesser bulb fly	II	*Allium cepa* (bawang bombay, onion), *Narcissus* spp. (narsisus, narcissus), *Crinum asiaticum* (bakung, lily). *Allium ascalonicum* (bawang merah, shallot), *Allium sativum* (bawang putih, garlic), *Irish* spp., *Lilia* spp., *Pastinaca sativa* (parsnip, parsnip), *Solanum tuberosum* (kentang, potato), *Hippeastrum* spp. (amarilis, amarylis), *Brassica oleracea capitata* (kubis, cabbage), *Calla elliottiana, Eurycies* spp., *Galtonia spp., Gladiolus* spp., *Scilla* spp., *Sprekelia*	akar, batang, daun, umbi, tanah	America: USA Europe
109	*Eupalamides cyparissias*Fabricius; (=*Castnia daedalus* =*Castnia dedalus* =*Lapaeumides dedalus* =*L.daedalus* =*Eupalamides dedalus* =*Papilio cyparissias* =*P.dedalus*); Lepidoptera: Castniidae; oilpalm borer, coconut moth borer, stem borer and bunch stalk	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm)	batang, daun	America: Guyana Franch Guyana, Panama, Peru, Suriname	

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110	*Euscepes postfasciatus*(Fairmaire); (=*Batatarhynchus destructor* =*Cryptorhynchus batatae* =*C.postfasciatus* =*Euscepes batatae* =*Hyperomorphasquamosa*); Coleoptera: Curculionidae; West Indian sweet potato weevil, scarabee weevil, small sweet potato weevil	II	*Ipomoea batatas* (ubi jalar, sweet potato), *Pharbitis nil* *Ipomoeaaquatica* (kangkung, water spinach)	batang, akar, umbi	America: Antigua and Barbuda, Barbados, Bermuda, Brazil, Virgin Islands, Cuba, Dominica, Guyana France, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Montserrat, Paraguay, Peru, Puerto Rico, St. Kitts & Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Venezuela Asia: Japan Oceania: Palau, Cook Island, Micronesia, Fiji, France Polynesia, Guam, Kiribati, New Caledonia, Norfolk Island, Northern Mariana Island, Pitcairn Island, Samoa, Tonga, Vanuatu, Wallis-Futuna
111	*Eutinobothrus brasiliensis*(Hambleton); (=*Gasterocercodes brasiliensis* =*G.gossypii*; Coleoptera: Curculionidae; Brazilian cotton borer, cotton root borer	II	*Gossypium barbadens* (kapas, cotton) *Abelmoschus esculentus* (okra, okra),*Hibiscus* spp.	batang, akar	America: Argentina, Brazil, Paraguay
112	*Frankliniella fusca* (Hinds);(=*Euthrips fuscus* =*E. Nicotiane* =*Frankliniella nicotiane* =*Physopus fuscus* =*P. Nicotianae* =*Scirtothrips*	II	*Arachis hypogaea* (kacang tanah, peanut), *Capsicum annuum* (paprika, bell pepper), *Citrullus lanatus* (semangka, watermelon),	daun, bunga, tunas	America: Canada, Cuba, Martinique, Mexico, Puerto Rico, USA Europe: Netherlands

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		owreyi);Thysanoptera: Thripidae; tobacco thrips	*Glycine max* (kedelai, soyabean), Gossypium (cotton), Hippeastrum, *Solanumlycopersicum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), *Vigna unguiculata* (kacang panjang, cowpea), *Zea mays* (jagung, corn)		
113	*Frankliniella occidentalis*(Pergande); (=*Euthrips helianthi=Euthrips occidentalis =E. tritici* var. *californicus =Frankliniella californica =F. canadensis=F. chrysanthemi =F. claripennis =F. conspicua =F. dahliae =F. dianthi =F. nubila =F. occidentalis* f. *brunnescens =F. occidentalis* f. *dubia=F. syringae =F. trilicimaculata =F. tritici* var. *moultoni =F. umbRosa =F. venusta=F. helianthi =F. moultoni=F. trehernei*; Thysanoptera, Thripidae; western flower thrips, alfalfa thrips, flower thrips, western (USA) grass thrips	II	*Gossypium barbadens* (kapas, cotton), *Allium ascalonicum* (bawang merah, shallot), *Brassica oleracea capitata* (kubis, cabbage), *Fragaria vesca* (wildstrawberry), Cucurbitaceae, Orchidaceae (anggrek, orchid), *Amaranthus palmeri* (palmer amaranth), *Arachys hypogaea* (kacang tanah, peanut), *Beta vulgaris* (bit, beetroot), *Begonia* spp., *Carthamus tinctorius*, *Citrus x paradise* (grapefruit), *Capsicum annuum* (cabai besar, paprika, bell-pepper), *Cyclamen* spp., *Dahlia* spp., *Daucus carota* (wortel, carrot), *Dianthus caryophyllus* (anyelir, carnation), *Euphorbia pulcherrima*, *Ficus carica* (ara, fig), *Fuchsia* sp., *Gerbera*	batang, daun, bunga, buah	Africa: Algeria, Kenya, Morocco, South Africa, Swaziland, Tunisia, Uganda, Zimbabwe America: Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Dominica, Ecuador, Guatemala, Guyana, Martinique, Mexico, Peru, Puerto Rico, Uruguay, USA, Venezuela Asia:Cina, India, Iran, Israel, Japan, South Korea, Kuwait, Malaysia, Sri Lanka, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia,

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		jamesonii, *Geranium* spp., *Gladiolus hybrids*, *Gypsophila*, *Hibiscus*, *Impatiens*, *Kalanchoe*, *Lactuca sativa* (selada, lettuce), *Limonium sinuatum*, *Lisianthus* spp., *Lathyrus odoratus*, *Leucaena leucocephala* (lamtoro, wild tamarind), *Solanumlycopersicum* (tomat, tomato), *Malus domestica* (apel, apple), *Medicago sativa*(alfalfa, lucerne), *Petroselinum crispum* (parslei, parsley), *Vigna* spp. (cowpea), *Pisum sativum* (kapri, sweet pea), *Prunus americana* (aprikot, apricot), *Prunus domesticum* (plam, plum), *Prunus persica* var. *nucipersica* (nektarin, nectarine), *Prunus persica* (persik, peach), *Purshia tridentata*, *Raphanus raphanistrum*, *Rhododendron* spp. (azalea), *Rosa* spp. (mawar, rose), *Salvia spp.*, *Secale cereale* (rye), *Sinapis arvensis*, *Sinningia speciosa*, *St.paulia ionantha*, *Solanum melongena* (terung, eggplant),		Slovakia, Slovenia, Spain, Sweden, Switzerland, UK Oceania: Australia, New Zealand	

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			Sonchus spp., *Syzygium aqquea* (jambu air, star apple), *Trifolium* spp., *Triticum aestivum* (gandum, wheat), *Vitis vinifera* (anggur, grapevine), *Zinnia* spp.		
114	*Globitermes* sp;Isoptera: Termitidae	II	*Dipterocarpus tuberculatus, Eucalyptus alba, Eucalyptus camaldulensis, Hevea brasiliensis*, Pinus	batang, kayu	Asia: Malaysia, Thailand, Vietnam
115	*Grapholita prunivora*(Walsh); (=*Cydia prunivora =Laspeyresia prunivora =Semasia prunivora =Enarmonia prunivora);* Lepidoptera: Tortricidae; lesser apple worm, plum moth	II	*Malus domestica (*apel, apple*), Prunus domesticum* (plum), other stone fruit) Amelanchier, *Prunus americana* (aprikot, apricot), *Prunus cerrasus* (ceri, cherry), *Prunus persica* (persik, peach), *Pyrus communis (*pir, pear*), Rosa* spp. (mawar, rose)	batang, daun, bunga, buah, media tanam, serasah, tanah	America: Canada, USA
116	*Grapholitha molesta*(Busck); (=*Cydia molesta =Laspeyresia molesta =Carpocapsa molesta);* Lepidoptera: Tortricidae; oriental fruit moth	II	*Prunus persica* (persik, peach), *Prunus americana*(aprikot, apricot), *Prunus persica* var. *nucipersica* (nektarin, nectarine). *Cydonia oblonga* (kwinsi, quince), *Malus domestica (*apel, apple*), Prunus domesticum* (plum), *Prunus dulcis* (almon, almond*), Prunus cerrasus* (ceri, cherry),	batang, buah, daun, bunga, media tanam, serasah, tanah	Africa: Mauritius, Morocco, South Africa America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia:Armenia, Azerbaijan, China, Japan, North Korea, South Korea, Kyrgyzstan, Syria, Taiwan, Turkey,Uzbekistan Europe:Austria, Bulgaria, Croatia, Czech Republic,

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			Pyrus communis (pear), Buah batu lain (other stone fruits), *Malus* sp., *Eriobotrya japonica* (lokwat, loquat)			France, Germany, Greece, Hungary, Italy, Latvia, Malta, Moldova, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine Oceania: Australia, New Zealand
117	*Grapholitha packard*iZeller; (=*Cydia packardi* =*Enarmonia packardi* =*Enarmonia pyricolana* =*Laspeyresia packardi=L. pyricolana* =*Steganoptycha pyricolana)*; Lepidoptera: Tortricidae; cherry fruitworm	II	*Prunus cerrasus* (ceri, cherry) *Cydonia oblonga, Malus domestica* (apel, apple), *Prunus domesticum* (plum), *Prunus persica* (persik, peach), *Pyracantha, Pyrus communis* (pir, pear), *Rosa* spp., *Vaccinium corymbosum*	batang, buah, daun, bunga, media tanam, serasah, tanah		America: Canada, Mexico, USA
118	*Harmolita grandis*Riley; Lepidoptera: Tortricidae; wheat strand worm	II	*Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley), *Avena sativa* (oat, oats), *Glycine max* (kedelai, soyabean)	batang, daun, tanah		America: USA
119	*Harmolita tritici*Fitch.; Lepidoptera: Tortricidae; wheat joint worm	II	*Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley), *Avena sativa* (oat, oats), *Glycine max* (kedelai, soyabean)	batang, daun, tanah		America: USA Asia: West Asia Europe: Russia
120	*Helopeltis anacardii* Miller; Heteroptera: Miridae; cashew helopeltis	II	*Anacardium occidentale* (jambu mete, cashew-nut)	batang, daun, bunga		Africa: Tanzania

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121	*Helopeltis bergrothi* Reuter; (=*Helopeltis bergrothi* =*H.bergrothi flavescens* =*H.bergrothi nigripes* =*H.bergrothi rubrinervis*); Heteroptera: Miridae; helopeltis bug, cacao-mosquito, tea-bug, tea-mosquito, cacao mosquito	II	*Theobroma cacao* (kakao, cocoa) *Anacardium occidentale* (jambu mete, cashew-nut), *Camellia sinensis* (teh, tea), kina, *Gossypium barbadens* (kapas, cotton), *Manihot esculenta* (ubi kayu, cassava), *Ricinus communis* (jarak, castor-oil)	batang, daun, bunga	Africa: Angola, Benin, Burundi, Cameroon, Republic of Central Africa, DR Congo., Ivory Coast, Guinea Equator, Gabon, Guinea, Mozambique, Niger, Nigeria, Rwanda, Spain (Canary Island), Togo Europe: Spain
122	*Helopeltis schoutedeni* Reuter; (=*Helopeltis sanguineus* =*H.schoutedeni rubra* =*H.schoutedeni vanderysti*); Heteroptera: Miridae; tea mosquito, cotton bug, cacao-mosquito, tea-bug, cotton helopeltis, cotton helopeltis	II	*Gossypium barbadens* (kapas, cotton), *Anacardium occidentale* (jambu mete, cashew-nut), *Ricinus communis* *Camellia sinensis* (teh, tea), *Mangifera indica* (mangga, mango)	batang, daun, buah	Africa: Angola, Burundi, Cameroon, Central Africa, Chad, DR Congo, Ivory Coast, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mozambique, Nigeria, Rwanda, Sao Tome & Principe, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zimbabwe
123	*Hercinothrips bicinctus*(Bagnall); (=*Caliothrips bicinctus* =*Heliothrips bicinctus*); Thysanoptera: Thripidae; banana thrips, banana-silvering thrips, smilax thrips	II	*Musa* spp. (pisang, banana)	batang, daun, bunga, buah	Africa: Equatorial Guinea, Guinea, Kenya, South Africa, Tanzania America: Bermuda, Brazil, Peru Asia: India Europe: Belgium, Portugal, Spain, UK Oceania: Australia, New Zealand
124	*Heteroligus appius*Burm.; Coleoptera: Scarabaeidae;	II	*Dioscorea* spp. (gembili, yam)	batang, daun, umbi	Africa: Burkina Faso, Cameroon, Dahomey, Gambia,

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	lesser yam beetle					Ghana, Guinea, Ivory Coast, Mali, Liberia, Nigeria, Senegal, Sierra Leone, Togo
125	*Heteroligus meles*Billb.; Coleoptera: Scarabaeidae; greater yam beetle	II	*Dioscorea* spp. (gembili, yam)	batang, daun, umbi		Africa: Bourkina Faso, Cameroon, Dahomey, Gambia, Ghana, Guinea, Ivory Coast, Mali, Liberia, Nigeria, Senegal, Sierra Leone, Togo
126	*Hilda patruelis*(Stål); Hemiptera: Tettigometridae; groundnut hopper	II	*Arachys hypogaea* (kacang tanah, peanut) *Anacardium occidentale* (jambu mete, cashew-nut); *Citrus* spp.(jeruk, orange); *Abelmoschus moschatus* (okra, lady's finger); *Helianthus annuus* (bunga matahari, sunflower); *Vigna radiata* (kacang hijau, mungbean); *Vigna cylindrica* (kacang tunggak, long bean), *Vigna* spp. (buncis, cowpea)	batang, daun, akar, bunga		Africa: Tanzania
127	*Homona magnanima* Diakonoff; Lepidoptera: Tortricidae; leaf roller, tea tortrix, Oriental tea tortrix	II	*Camellia sinensis* (teh, tea), *Lithocarpus edulis*, *Rosa* spp. (mawar, rose), *Pyrus communis* (pir, pear), *Malus domestica* (apel, apple), *Citrus* spp.(jeruk, orange), *Diospyros kaki* (kesemek, persimmon), *Chrysant hemum* spp. (krisan, chrysant), *Paulownia tomentosa*, *Solanum melongena* (terung, eggplant,	tunas, batang, daun		Asia: China, Japan, Taiwan

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			aubergine), *Prunus cerrasus* (ceri, cherry), *Arachys hypogaea* (kacang tanah, peanut), buah batu (stone fruit), *Eurya* spp., *Glycine max* (kedelai, soyabean), *Rhododendron lspp.* (azalea), *Nandina domestica*, *Podocarpus* spp.			
128	*Homorocoryphus nitidulus* Scopoli; (=*Ruspolia differens* =*R. vicina*); Orthoptera: Tettigoniidae; edible grasshopper	II	*Nicotiana tabacum* (tembakau, tobacco)	batang, daun, tanah	Africa: Kenya, Zimbabwe	
129	*Horcias nobilellus* Berg.; (=*Capsus (Deraeocoris) nobilitatus=Horcias (Horciasoides) nobilellus* =*H.plagosus* =*Poeciocopsus nobilellus)*; Hemiptera: Miridae; cotton plant bug, cotton bug	II	*Gossypium barbadens* (kapas, cotton) *Abelmoschus moschatus* (okra, lady's finger), *Bidens pilosa*	batang, daun	America: Argentina, Bahama, Bolivia, Brazil, Paraguay, Peru, Suriname, Uruguay, Venezuela	
130	*Hylotrupes bajulus* (Linnaeus); Coleoptera: Cerambycidae; house longhorne beetle/Europen house borer	II	*Pinus nigra, Pinus sylvestris,*	batang, kayu	Africa:Algeria, Ivory Coast, Egypt, Libya, Madagascar, Morocco, South Africa, Spain, Tunisia, Zimbabwe America: USA, Canada, Brazil, Argentina Asia: Armenia, Azerbaijan, China, Iran, Iraq, Israel, Lebanon, Syria, Turkey Europe: Uruguay Oceania: Australia, New Zealend	

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131	*Hyphantria cunea*Drury; (=*Hyphantria textor*); Lepidoptera: Arctiidae; blackheaded webworm, mulberry moth, redheaded webworm, fall webworm, American white moth	II	*Morus alba, Prunus cerrasus* (ceri, cherry), *Juglans nigra (walnut, walnut), Pyrus communis* (pir, pear), *Malus domestica* (apel, apple), *Prunus domesticum* (plam, plum), *Carya illinoinensis, Carya ovata, Diospyros na,Liquidambar styraciflua, Prunus avium Carya* spp., *Humulus lupulus* (hops), *Ulmus americana, Ailanthus altissima, Juglans regia* (walnut, walnut), *Pinus densiflora, Vitis vinifera* (anggur, grapevine)	batang, daun	America: Canada, Mexico, USA Asia: China, Japan, Korea, Turkey Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech, France, Hungary, Italy, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Switzerland, Ukraine, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Micronesia, Northern Mariana Island
132	*Incisitermes minor*(Hagen); Isoptera: Kalotermitidae; western drywood termite	II	Dry wood	batang, kayu	America: USA, Mexico, canada
133	*Ips typographus* Linnaeus; Coleoptera: Curculionidae; European spruce bark beetle	II	Eucalyptus, Oak, pines	batang, kayu	Asia: China, Japan, Korea Europe: Russia
134	*Keiferia lycopersicella*Walsingham;(= *Gnorimoschema elmorei* =*G.lycopersicella =Keiferia elmorei =Phthorimaea elmorei =P.lycopersicella*); Lepidoptera: Gelechiidae; tomato pinworm	II	*Solanum lycopersicum* (tomat, tomato) *Solanum melongena* (terung, eggplant, aubergine), *Solanum tuberosum* (kentang, potato), *Gossypium barbadens* (kapas, cotton), *Nicotiana tabacum* (tembakau, tobacco), *Solanum nigrum* (leunca, black nightshade)	batang, daun, buah	America: Bermuda, Bolivia, Colombia, Costa Rica, Cuba, Haiti, Jamaica, Mexico, USA, Venezuela, Canada, Dominican Republic, Trinidad and Tobago, Peru

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135	*Lepidosaphes ulmi*(Linnaeus); (=*Aspidiotus conchiformis* =*A. falciformis* =*A.juglandis* =*A.pomorum* =*A.pyrus-malus* =*A.saliceti* =*Coccus conchiformis* =*C.ulmi* =*Diaspis linearis*=*Lepidosaphes (Mytilaspis) ulmi*=*L.ceratoniae* =*L. conchiformis* =*L.juglandis* =*L.pomorum* =*L.ulmi* =*L.vulva* =*Mytilaspis (Lepidosaphes) pomorum* =*M.ceratoniae* =*M.juglandis* =*M.pomicorticis* =*M.pomorum* =*M.ulicis* =*M.ulmi* =*M.vitis* =*Mytilococcus saliceti* =*M.ulmi*); Hemiptera: Diaspididae; oystershell scale, apple mussel scale, mussel scale	II	*Fagus grandifolia* (American beech), *Ficus carica* (ara, fig), *Fraxinus americana* (white ash),*Juglans regia* (walnut, walnut), *Malus domestica* (apel, apple), *Olea europaea* subsp. *europaea* (zaitun, olive), *Populus canadensis* (hybrid black poplar), *Populus deltoides* (poplar), *Populus nigra* (black poplar), Prunus (buah batu,stone fruit), *Pyrus communis* (pir, pear), *Salix alba* (white willow), *Tilia cordata* (small-leaf lime), *Vaccinium myrtillus* (blueberry) *Prunus salicina* (Japanese plum), *Rosa damascena* (Damask rose)	daun, tanah	Africa: Algeria, Egypt, South Africa, Tunisia America: Argentina, Brazil, Canada, Chile, Colombia, Mexico, Peru, USA, Uruguay Asia: Afghanistan, Armenia, China, Georgia, India, Iran, Iraq, Israel, Japan, Kazakhstan, Republic of Korea (South Korea), Saudi Arabia, Syria, Taiwan, Turkey Europe: Austria, Belgium, Bulgaria,Bosnia and Herzegovina, Croatia, Cyprus, Czech, Denmark, France, Germany, Greece, Hungary, Italy, Luxembourg, Macedonia, Netherlands, Norway, Poland, Romania, Russia,Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Montenegro, Slovenia, Slovakia, Oceania: Australia
136	*Leptinotarsa decemlineata* Say; (=*Chrysomela decemlineata* =*Doryphora decemlineata* =*Leptinotarsa multitaeniata* =*Polygramma decemlineata*); Coleoptera: Chrysomelidae; Colorado potato beetle, Colorado beetle	II	*Solanum tuberosum* (kentang, potato) *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (terung, eggplant, aubergine), *Hyoscyamus niger* (black henbane), *Nicotiana tabacum*(tembakau, tobacco)	umbi, rimpang, batang, daun, tanah	Africa: Gabon America: Canada,Cuba, Guatemala, Mexico, USA Asia: Armenia, Azerbaijan, China, Iran, Iraq, Japan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Andorra,

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					Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech,Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Moldova, Netherlands, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine,Montenegro
137	*Leptopharsa heveae* Drake & Poor; Hemiptera: Tingidae; lace bug, rubber tingid bug	II	*Hevea brasiliensis* (karet, rubber tree)	tunas, batang, daun, bibit, tanaman hasil mikropropagasi	America: Brazil
138	*Leucoptera caffeina* Washburn; (=*Leucoptera daricella*); Lepidoptera: Lyonetiidae; coffee leafminer	II	*Coffea* spp. (kopi, coffee), *Coffea arabica* (kopi arabika, arabica coffee) *Coffea eugenioides*	daun	Africa: Angola, Burundi, Congo, Ethiopia, Kenya, Uganda,Rwanda, Tanzania, Madagascar America: Antigua and Barbuda, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guyana France, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Montserrat, Peru,

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						Puerto Rico, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela
						Asia: Yemen
139	*Leucoptera coffeella* Guer & Menev; (=*Perileucoptera coffeella, Cemiostoma coffeella, Elachista coffeella*) Lepidoptera: Lyonetiidae; coffee leaf miner, white coffee leafminer	II	*Coffea* spp. (kopi, coffee), *Coffea arabica* (kopi arabika, arabica coffee)	daun		Africa:Madagascar America: Antigua and Barbuda, Barbados, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Peru, Puerto Rico, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela
140	*Leucoptera coma* Ghesq; Lepidoptera: Lyonetiidae coffee leafminer	II	*Coffea* spp. (kopi, coffee), *Coffea canephora* (kopi robusta, robusta coffee)	daun		Africa: Congo, Uganda
141	*Leucoptera meyrick*Ghesq.; Lepidoptera: Lyonetiidae; coffee leafminer	II	*Coffea* spp. (kopi, coffee)	daun		Africa: Burundi, Central Africa, Kenya, Rwanda,South Africa, Tanzania, Uganda, Zimbabwe America: Brazil, Peru
142	*Liriomyza bryoniae*Kaltenbach; (=*Agromyza bryoniae*Kaltenbach=	II	*Brassica juncea* var. *juncea* (Indian mustard), *Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica rapa*	tunas, daun, tanah, bibit		Africa: Egypt, Marocco Asia: China, India, Israel, Japan, Republic of Korea (South Korea), Nepal, Taiwan,

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Liriomyza citrulla Rohdendorf = *Liriomyza mercuriatis* Hering, *Liriomyza solani* Hering); Diptera: Agromyzidae; tomato leafminer		cultivar group Mizuna, Citrullus, *Citrullus lanatus* (semangka, watermelon), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita pepo* (labu kuning, zucchini), *Lactuca sativa* (selada, lettuce), *Solanumlycopersicum* (tomat, tomato), Polyphagous (polyphagous), *Solanum tuberosum* (kentang, potato),Solanaceae, Amaranthus (grain amaranth), *Apium graveolens* (seledri, celery), Atropa (Deadly nightshade), Callistephus, Capsicum (peppers), *Celosia argentea* (celosia), Chenopodium (Goosefoot), *Coriandrum sativum* (coriander), Datura (thorn-apple), *Gerbera jamesonii* (African daisy), Hyoscamus, Lamium (deadnettle), Levisticum, Linaria (Toadflax), Lupinus (lupins), Lycium (boxthorn), *Nicandra physalodes* (apple of Peru), Petroselinum (parsley), Petunia, *Phaseolus vulgaris* (buncis, common bean),		Turkey, Turkmenistan, Vietnam Europe: Albania, Belarus, Belgium, Bosnia-Hercegovina, Bulgaria, Croatia, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovenia, Spain, Sweden, Ukraine, UK	

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		Pisum sativum (kapri, sweet pea), Ricinus, Saponaria (soapwort),*Solanum lycopersicum* (tomat, tomato), *Solanum melongena*(terung, eggplant, auberginе), *Spinacia oleracea* (bayam, spinach), Verbena (vervain), Withania			
143	*Listronotus bonariensis*(Kuschel); (=*Hyperodes bonariensis* Kuschel =*Hyperodes griseus* Marshall =*Neobagous setosus* Hustache); Coleoptera: Curculionidae; argentine stem weevil, ryegrass stem weevil, shoot weevil, weevil, argentine stem, weevil, ryegrass stem, wheat stem weevil	II	*Hordeum vulgare* (barli, barley), *Lolium multiflorum* (italian ryegrass), *Lolium perenne* (perennial ryegrass), Poaceae (grasses), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), cerealia, rerumputan (Poaceae). *Agrostis capillaris* (brown bentgrass), *Anthoxanthum puelii* (Annual vernalgrass), *Avena sativa* (oat, oats), *Bromus* spp(bromegrasses), *Cynodon* spp. (quickgrass), Dactylis (Orchardgrass), Digitaria (crabgrass), *Echinochloa* spp., *Eleusine coracana* (finger millet), *Festuca pratensis* (english bluegrass),*Festuca rubra* (red fescue), Paspalum, *Phleum pretense* (timothy), *Poa annua* (annual meadowgrass)	batang, daun, akar, bunga, biji	America: Argentina, Bolivia, Brazil, Chile, Uruguay Oceania: Australia, New Zealand

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144	*Listronotus oregonensis* Leconte; Coleoptera: Curculionidae; carrot weevil	II	*Daucus carota* (wortel, carrot), *Apium graveolens* (seledri, celery), *Anethum graveolens* (dill), *Petroselinum crispum* (peterseli, parsley).	akar, batang, daun, umbi, tanah		America: Canada, USA
145	*Listronotus texanus* Stockton; (= *Hyperodes texanus*); Coleoptera: Curculionidae;carrot weevil	II	*Daucus carota* (wortel, carrot) *Petroselinum crispum* (peterseli, parsley)	akar, batang, daun, umbi		America: USA
146	*Lobesia botrana* Denis & Schiffermuller; (=*Coccyx botrana* Praun =*Cochylis botrana* Herrich-Schaffer =*Cochylis vitisana* Audouin =*Eudemis botrana* Frey =*Eudemis rosmarinana* Millière =*Grapholita botrana* Heinemann =*Lobesia rosmariana* =*Noctua romani* O. Costa =*Paralobesia botrana* =*Penthina vitivorana* Packard =*Polychrosis botrana* Ragonot =*Tinea premixtana* Hübner =*Tinea reliquana* Hübner =*Tortrix botrana* Denis & Schiffermüller =*Tortrix reliquana* Treitschke =*Tortrix romaniana* O. Costa =*Tortrix vitisana* Jacquin=);	II	*Vitis vinifera* (anggur, grapevine) *Actinidia chinensis* (Chinese gooseberry), *Actinidia deliciosa* (kiwi, kiwi fruit), *Arbutus unedo* (arbutus), *Berberis vulgaris* (European barberry), *Clematis vitalba* (old man's beard), *Cornus mas* (cornelian cherry), *Cornus sanguinea* (dogwood), *Daphne gnidium*, *Daphne laureola*, *Dianthus* spp. (carnation), *Diospyros kaki* (kesemek, persimmon), *Hedera helix* (ivy), *Ligustrum vulgare* (privet), *Lonicera tatarica* (Tatarian honeysuckle), *Menispermum canadense* (common moonseed), *Olea europea subsp. europea* (zaitun, olive), *Prunus*	buah, bunga	Africa: Algeria, Egypt, Eritrea, Kenya, Libya, Morocco America: USA, Chile Asia: Armenia, Azerbaijan, Georgia, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Lebanon, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech, Finland, France, Germany, Greece, Hungary, Italy, Luxembourg, Macedonia, Malta, Moldova, Montenegro, Netherlands, Portugal, Romania, Rusia, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine, UK	

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	Lepidoptera: Tortricidae; grape berry moth, european grape vine moth, grape fruit moth, grape leaves-roller, grape moth, grape vine moth, vine moth		*cerrasus* (ceri, cherry), *Prunus* spp., *Punica granatum* (delima, pomegranate), *Ribes* spp., *Parthenocissus quinquefolia* (Virginia creeper), *Prunus amygdalus*, *Prunus avium* (sweet cherry), *Prunus domesticum* (plam, plum), *Prunus salicina* (Japanese plum), *Prunus spinosa* (blackthorn), *Punica granatum* (delima, pomegranate), Ribes (currants), *Ribes nigrum* (blackcurrant), *Ribes rubrum* (red currant), *Ribes uva-crispa* (gooseberry), *Rosmarinus officinalis* (rosemary), *Rubus caesius* (dewberry), *Rubus fruticosus* (blackberry), *Syringa vulgaris* (lilac), *Tanacetum vulgare* (tansy), *Viburnum lantana* (Wayfaring tree), *Ziziphus jujuba* (common jujube)		
147	*Longitarsus nigripennis*(Motschulsky); Coleoptera: Chrysomelidae; flea beetle, pepper, pollu	II	*Piper nigrum* (lada, blackpepper)	daun, buah	Asia: India.
148	*Lygus lineolaris*Palisot de Beauvois; (=*Capsus flavonotatus* Provancher =*Capsus lineolaris* Palisot	II	*Amaranthus cruentus* (redshank), *Apium graveolens* (seledri, celery), *Brassica napus* var. napus(rapa, rape),	batang, daun, bunga	America: Bermuda, Canada, El Salvador, Guatemala, Honduras, Mexico, USA Asia: Georgia

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de Beauvois =*Capsus oblineatus* Say =*Capsus strigulatus* Walker =*Lygus pratensis* var. *rubidus* Knight); Hemiptera: Miridae; plant bug, tarnished		*Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Gossypium hirsutum* (kapas, bourboncotton),*Fragaria ananassa*(strawberry, strawberry), *Medicago sativa* (alfalfa, lucerne), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), Polyphagous (Polyphagous), *Vigna* spp. (cowpea), *Prunus persica* (persik, peach), *Solanum tuberosum* (kentang, potato), *Trifolium incarnatum* (crimson clover), *Vicia sativa* (common vetch), *Zea mays* subsp. *mays* (jagung manis, sweetcorn) *Anethum graveolens* (dill), *Apium graveolens* var *dulce* (seledri, celery), *Asparagus officinalis* (asparagus, asparagus), *Aster* spp., *Aster pilosus* (white heath aster), *Beta* vulgaris (bit, beetroot), *Bellis perennis* (common daisy), *Brassica oleracea* var. *capitata* (kubis, cabbage), *Calendula officinalis* (pot marigold), *Cosmos* spp., *Cucumis sativus* (mentimun, cucumber), *Dahlia hybrids*,			

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		Daucus carota (wortel, carrot), *Dendranthema* spp., Erigeron (fleabane), *Gladiolus hybrids* (sword lily), *Glycine max* (kedelai, soyabean), *Helianthus* spp., *Lespedeza cuneata* (sericea lespedeza), Malus (ornamental species apple), *Papaver nudicaule* (iceland poppy), *Pinus echinata*(shortleaves pine), Populus (poplars), *Pyrus communis* (pir, pear), *Rubus* spp. (blackberry, raspberry), *Salvia officinalis* (common sage), *Sinapis alba* (white mustard), *Tragopogon porrifolius* (oysterplant), *Verbena* spp. (vervain), *Zinnia elegans* (zinnia)			
149	*Lymantria dispar* Linnaeus; (=*Bombyx dispar* Linnaeus =*Hypogymna dispar* Linnaeus =*Liparis dispar* Linnaeus =*Ocneria dispar* Linnaeus =*Phalaena dispar* Linnaeus =*Porthesia dispar* Linnaeus =*Porthetria dispar* Linnaeus); Lepidoptera: Lymantriidae; gypsy moth	II	*Acer saccharum* (sugar maple), *Betula papyrifera* (paper birch), *Quercus alba* (white oak), *Quercus coccinea* (scarlet oak), *Quercus ellipsoidalis* (Northern pin oak), *Quercus garryana* (Garry oak), *Quercus ilex* (holm oak), *Quercus lobata* (*California white oak*), *Quercus montana* (basket oak), *Quercus muehlenbergii* (Chinquapin	kulit kayu muda	Africa: Algeria, Morocco, Tunisia America: Canada, USA. Asia: Afghanistan, Armenia, Azerbaijan, China, India, Iran, Iraq, Israel, Japan, Kazakhstan, Korea DPR (North Korea), Republic of Korea (South Korea), Kyrgyzstan, Lebanon, Mongolia, Syria, Taiwan, Tajikistan, Turkey, Turkmenistan, Uzbekistan

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oak), *Quercus palustris* (pin oak), *Quercus petraea* (durmast oak), *Quercus robur* (common oak), *Quercus rubra* (northern red oak), *Quercus suber* (cork oak), *Quercus velutina* (black oak), *Salix fragilis* (crack willows), Ulmus (elms) Acer (maples), *Acer negundo* (box elder), *Acer platanoides* (norway maple), *Acer rubrum* (red maple), *Acer saccharinum* (soft maple), Alnus (alders), *Alnus rhombifolia* (white alder), Betula (birches), *Betula alleghaniensis* (yellow birch), *Betula lenta* (sweet birch), *Betula populifolia* (gray birch), Carpinus (hornbeams), Carya (hickories), *Castanea sativa* (chesnut), *Cedrus libani* (cedar of Lebanon), Corylus, *Corylus avellana* (hazel), *Eucalyptus camaldulensis* (red gum), Fagus (beeches), *Fagus grandifolia* (american beech), *Fagus sylvatica* (common beech), *Fraxinus americana* (white ash), *Fraxinus pennsylvanica* (downy ash), *Glycine max* (kedelai, soyabean), *Hamamelis*			Europe: Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Macedonia, Moldova, Montenegro, Netherlands, Poland, Portugal, Romania, Rusia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK	

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		virginiana (virginian witch-hazel), Larix (larches), *Larix kaempferi* (Japanese larch), *Larix occidentalis (western larch), Liquidambar styraciflua* (sweet gum), *Litchi chinensis* (lichi), *Lithocarpus edulis*, *Malus* (ornamental species apple), *Malus domestica* (apel, apple), *Ostrya virginiana* (american hophornbeam), *Picea abies* (common spruce), *Picea jezoensis* (yeddo spruce), Pinus (pines), *Pinus brutia* (brutian pine), *Pinus contorta* (lodgepole pine), *Pinus echinata* (shortleaves pine), *Pinus resinosa* (red pine), *Pinus rigida* (pitch pine), *Pinus strobus* (eastern white pine), *Pinus sylvestris* (scots pine), *Pinus taeda* (loblolly pine), *Pistacia vera* (pistachio), *Platanus acerifolia* (London planetree), Populus (stone fruit), *Populus grandidentata* (bigtooth aspen), *Populus nigra* (black poplar), *Populus tremuloides* (trembling aspen), Prunus (stone fruit), *Prunus armeniaca* (aprikot, apricot), *Prunus domestica* (plam,		

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			plum), *Prunus salicina* (japanese flowering cherry), *Prunus serotina* (black cherry), *Prunus serrulata* (japanese flowering cherry), *Pseudotsuga menziesii* (douglas-fir), Pyrus (pear, pears), *Quercus ilicifolia (bear oak), Robinia (locust),* *Robiniapseudoacacia (*black locust), Salix (willows), *Salix babylonica* (weeping willows), *Taxodium distichum* (bald cypress), *Tilia americana* (basswood), *Tilia cordata* (small-leaves lime), Vaccinium (blueberries), *Zea mays*(jagung, corn)		
150	*Macrodactylus subspinosus*(Fabricius); Coleoptera: Scarabaeidae; rose chafer	II	*Malus domestica (*apel, apple*),* Rosa (mawar, roses) *Vitis vinifera* (anggur, grapevine), *Beta* spp., cucurbitae, *Prunus cerrasus* (ceri, cherry), *Piper nigrum* (lada, pepper), legumes, *Prunus persica* (persik, peach), *Pyrus communis (*pir, pear*),* buah batulainnya (other stone fruit), *Rubus* spp., *Fragaria vesca* (arbei, strawberry)	akar, daun, bunga, tanah	America: Mexico, USA
151	*Macroplectra nararia* Moore; (=*Darna nararia= Natada*	II	*Camellia sinensis* (teh, tea), *Coffea* spp. (kopi, coffee),	batang, daun, tanah,	Asia: India, Sri Lanka

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nararia Moore= *Parasa nararia*); Lepidoptera: Limacodidae; nettle grub, fringed nettle grub, slug caterpillar		*Elaeis guineensis* (kelapa sawit, oilpalm), *Cocos nucifera* (kelapa, coconut), *Erythrina* spp.(dadap, december tree), *Musa* spp. (pisang, banana), *Canna* spp. (bunga tasbih, canna), *Citrus* spp., *Crotalaria* spp., *Eucalyptus robusta* (swamp mahogany), *Gliricidia maculata*, *Lonicera* spp., (honeysuckles), *Psidium guineense* (guinea guava), *Rosa* spp. (mawar, rose), *Tephrosia* spp. (hoary-pea)	kayu, media pertumbuhan tanaman, bibit	
152 *Macrosiphum euphorbiae* Thomas; (=*Illinoia solanifolii*=*Macrosiphon euphorbiae* Thomas=*Macrosiphon solanifolii* Ashmead=*Macrosiphum amygdaloides* =*Macrosiphum cyprissiae* var. *cucurbitae* del Guercio=*Macrosiphum euphorbiellum* Theobald*Macrosiphum koehleri* Börner=*Macrosiphum rosaeollae* Theobald*Macrosiphum solanifolii*	II	*Beta vulgaris*var. *Saccharifera* (bit gula, sugarbeet), *Ipomoea batatas* (ubi jalar, sweet potato), *Lactuca sativa* (selada, lettuce), *Rosa* spp. (mawar, rose), *Solanum lycopersicum* (tomat, tomato),*Solanum melongena* (terung, eggplant, aubergine), *Solanum tuberosum* (kentang, potato), *Zea mays* (jagung, corn) *Apium graveolens* (seledri, celery), Artemisia (wormwoods), Capsicum (peppers), *Chenopodium album* (fat hen), *Chenopodium quinoa* (quinoa), Citrus, *Citrus*	batang, daun, bunga, buah	Africa: Algeria, Angola, Burundi, DR Congo, Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritius, Morocco, Mozambique, Rwanda, Reunion, Saint Helena, South Africa, Tanzania, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Cuba, Ecuador, Falkland Island, Jamaica, Mexico, Peru, Puerto Rico, USA, Uruguay, Venezuela Asia: Bangladesh, China, India, Iran, Israel, Japan, Jordan, Korea DPR (North Korea), Republic of Korea	

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(Ashmead)=*Macrosiphum tabaci* Pergande*Nectarophora ascepiadis* Cowen ex Gillette & Baker*Nectarophora heleniella* Cockerell*Nectarophora lycopersici* Clarke*Nectarophora tabaci=Nectarophora tabaci* Pergande*Siphonophora asclepiadifolii* Thomas=*Siphonophora cucurbitae* Middleton ex Thomas=*Siphonophora euphorbiae* Thomas=*Siphonophora solanifolii* Ashmead=*Siphonophora tulipae* Mondell); Hemiptera: Aphididae; potato aphid, pink and green potato aphid, pink and green potato aphis, pink potato aphid, potato aphid, tomato aphid		*deliciosa* (mediterranean mandarin), *Citrus reticulata* (mandarin), *Citrus sinensis* (navel orange), *Cucumis sativus* (mentimun, cucumber), *Cucurbita pepo* (ornamental gourd), *Epilobium angustifolium* (rosebay willowherb), Fragaria (strawberry), Freesia, *Gladiolus hybrids* (sword lily), Gossypium (cotton), *Hordeum vulgare* (barley), *Linum usitatissimum* (flax), Lupinus (lupins), *Lupinus albus* (white lupine), *Phaseolus vulgaris* (buncis, common bean), *Triticum aestivum* (gandum, wheat), *Vicia faba* (faba bean), *Vigna unguiculata* (kacang panjang, cowpea), *Vitis vinifera* (anggur, grapevine)		(South Korea), Lebanon, Malaysia, Pakistan, Saudi Arabia, Sri Lanka, Syria, Turkey Europe: Armenia, Azerbaijan, Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czechoslovakia, Denmark, Estonia, Finland, France, Latvia, Lithuania, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Kyrgystan, Luxembourg, Macedonia, Malta, Moldova,Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Rusia, Serbia, Slovakia, Spain, Sweden, Switzerland, Slovenia,Tajikistan, Turkmenistan, Uzbekistan, Ukraine, UK Oceania: Australia, New Caledonia, New Zealand
153 *Macrotermes natalensis* Haviland; Isoptera: Termitidae	II	*Eucalyptus macarthurii*, *E. smithii*, *E. camaldulensis*, *E. grandis*, *E.vimmalis*	batang, kayu	Africa: South Africa, Nigeria, Uganda, Zimbabwe
154 *Malacosoma americanum*Fabricius;	II	*Malus domestica (*apel, apple*)*, *Prunus domesticum* (plam,	batang, kulit batang daun,	America: Canada, USA

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Lepidoptera: Lasyocampidae; eastern tent caterpillar, American tent caterpillar, apple tent caterpillar, orchard tent caterpillar		plum), *Prunus persica* (persik, peach) *Acer rubrum* (red maple), *Acer saccharum* (sugar maple), Alnus (alders), Amelanchier (serviceberries), *Berberis vulgaris* (European barberry), *Betula alleghaniensis* (yellow birch), *Betula papyrifera* (paper birch), *Carya illinoiensis* (pecan), Corylus, Crataegus (hawthorns), *Fagus grandifolia* (American beech), *Fraxinus americana* (white ash), *Fraxinus excelsior* (ash), Hamamelis (witchhazel), *Liquidambar styraciflua* (sweet gum), *Malus coronaria* (sweet crab-apple), *Malus domestica* (apel, apple), *Nyssa sylvatica* (tupelo), Populus (poplars), *Populus grandidentata* (Bigtooth aspen), *Prunus domestica* (plum), *Prunus pennsylvanica*, *Prunus persica* (peach), *Prunus salicina* (Japanese plum), *Prunus salicina* (Japanese plum), *Prunus serotina* (black cherry), *Prunus virginiana* (common chokecherrytree), *Quercus alba* (white oak),	buah		

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		Quercus rubra (northern red oak), Rosa (roses), Salix (willows), Sorbus (rowan), *Tilia americana* (basswood), *Ulmus thomasii* (rock elm)			
155 *Maladera castanea*(Arrow); Coleoptera: Scarabaeidae; Asiatic garden beetle	II	*Beta* vulgaris (bit, beetroot), *Daucus carota* (wortel, carrot), *Pastinaca sativa* (parsnip), *Capsicum annuum* (cabe besar, paprika, bell-pepper, hot pepper, chilies, red pepper), *Brassica rapa* subspec. rapa (turnip)	tananaman, tanah		America: USA Asia: China, Japan, Korea
156 *Manduca quinquemaculata*(Haworth); (=*Phlegethontius celeus* Hübner =*Phlegethontius quinquemaculata* Haworth =*Protoparce quinquemaculata* ab. wirti Schaus =*Protoparce quinquemaculatus* (Haworth) =*Sphinx quinquemaculatus* Haworth); Lepidoptera: Sphingidae; tomato hornworm, five-spotted hawkmoth, tobacco fly	II	*Capsicum annuum* (paprika, bell pepper), *Solanum lycopersicum*(tomat, tomato), *Solanum melongena* (terung, eggplant, aubergine), *Solanum tuberosum* (kentang, potato) *Nicotiana tabacum* (tembakau, tobacco), *Nicotiana attenuata* *Atropa belladonna* (deadly nightshade), *Cestrum floribundum*, *Datura stramonium* (jimsonweed), *Kallstroemia parviflora*, *Nicotiana sylvestris*, *Physalis viscosa* (sticky physalis),*Solanum elaeagnifolium* (silverleaf nightshade), *Solanum grandiflorum*	batang, daun, tanah		America: Canada, USA

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157	*Manduca sexta*Linnaeus; (= *Macrosila carolina* (Linnaeus) Clemens =*Manduca carolina* (Linnaeus) Hübner =*Phlegethontius carolina* (Linnaeus) Hübner =*Phlegethontius sexta* (Linnaeus) Kirby =*Protoparce carolina* (Linnaeus) Butler =*Protoparce griseata* Butler =*Protoparce jamaicensis* Butler =*Protoparce leucoptera* Rothschild and Jordan =*Protoparce sexta* (Linnaeus) Rothschild & Jordan =*Protoparce sexta luciae* Gehlen =*Protoparce sexta* peruviana Bryk=*Protoparce sexta* saliensis Kernbach =*Sphinx caestri* Blanchard =*Sphinx carolina* Linnaeus =*Sphinx eurylochus* Philippi =*Sphinx lycopersici* Boisduval=*Sphinx nicotianae* Boisduval =*Sphinx paphus* Cramer =*Sphinx sexta* Linnaeus =*Sphinx tabaci* Boisduval =; Lepidoptera: Sphingidae;	II	*Capsicum annuum* (paprika, bell-pepper), *Sesamum indicum* (wijen, sesame), *Solanum melongena* (terung, eggplant, aubergine), *Solanum lycopersicum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), *Nicotiana attenuata, Solanum tuberosum* (kentang, potato) *Atropa belladonna* (deadly nightshade), *Cestrum floribundum, Datura stramonium* (kecubung, jimsonweed), *Datura wrightii, Kallstroemia parviflora, Verbena* spp., *Nicotiana sylvestris, Physalis viscosa* (sticky physalis), *Solanum elaeagnifolium* (silverleaves nightshade), *Solanum grandiflorum*	batang, daun, tanah	America: Antigua and Barbuda, Argentina, Bahama, Barbados, Belize, British Virgin Bolivia, Brazil, Canada, Caribbean Islands, Cayman Island, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St. Kitts & Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela, Oceania:Papua New Guinea	

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	tomato hornworm, tobacco hornworm, Carolina sphinx (USA), tomato sphinx					
158	*Mayetiola destructor*(Say); (=*Cecidomyia destructor*=*Cecidomyia frumentaria* Rondani=*Chortomyia secalina* Loew=*Mayetiola mimeuri* Mesnil=*Mayetiola secalis* Bollow=*Phytophaga cerealis* Rondani=*Phytophaga destructor*); Diptera: Cecidomyiidae; hessian fly	II	*Triticum aestivum* (gandum, wheat) *Agropyron* spp., *Hordeum vulgare* (barli, barley), *Secale cereale* (rye)	batang, daun, biji		Africa: Algeria, Morocco, Tunisia America: Canada, USA Asia: Iraq, Israel, Kazakhstan, Syria, Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Montenegro, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Serbia, Slovenia, Ukraine, UK Oceania: New Zealand
159	*Myopardalis pardalina* Biggot; Diptera: Tephritidae; Baluchistan fruit fly	II	*Cucumis sativus* (mentimun, cucumber), *Cucumis melo* (melon, melon), *Cucurbita maxima* (waluh, labu parang, pumpkin), *Citrullus lanatus* (semangka, watermelon), Cucurbitaceae	buah, media tanam, tanah		Asia: Cyprus, Iran, Iraq, Israel, Lebanon, Syria, Turkey, India, Pakistan, Afghanistan Europe: Russia
160	*Mythimna unipuncta* Haworth; (=*Cirphis unipuncta* Haworth=Heliophila	II	*Avena sativa* (oat, oats), *Brassica oleracea* var. *italica* (brokoli, broccoli), *Hordeum vulgare* (barley), *Saccharum*	batang, daun, tanah		Africa: Mali, Morocco, Niger, Senegal, Somalia,Togo America: Argentina, Bahamas, Bolivia, Brazil, Canada, Chile,

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Butl.=*Heliophila unipuncta* Haworth=*Leucania antica* Walker=*Leucania extranea* Guenée=*Leucania sacchariivora* Butl.=*Leucania unipuncta* Haworth=*Leucania unipuncta* tseki Koutsaftikis=*Noctua unipuncta* Haworth=*Pseudaletia adultera*=*Pseudaletia unipuncta* (Haworth)=*Pseudaletia unipuncta* quecha Franclemont=*Sideridis unipuncta* Haworth); Lepidoptera: Noctuidae; rice armyworm, American army worm, American wainscot, armyworm, armyworm, American, armyworm, true, rice cutworm, true armyworm, white-speck		*officinarum* (tebu, sugarcane), *Nicotiana tabacum* (tembakau, tobacco), *Zea mays* (jagung, corn), *Oryza sativa* (padi, paddy), *Sorghum bicolor* (sorgum, sorghum), rumput dan serealea lainnya (Poaceae and other cereals), *Panicum miliaceum* (millet), *Secale cereale* (rye), Triticum (wheat), *Zea mays* subsp. *mays* (jagung manis, sweetcorn) *Brassica oleracea* var. *botrytis* (cauliflower), *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Chenopodium quinoa* (quinoa), Turfgrasses, *Medicago sativa* (alfalfa, lucerne), *Trifolium* spp. (clovers), *Allium* spp. (onions, garlic, leek, etc.), *Solanumlycopersicum* (tomat, tomato), *Phaseolus* spp. (beans), *Solanum tuberosum* (kentang, potato), *Medicago sativa* (alfalfa, lucerne), Trifolium (clovers), turfgrasses		Colombia, Costa Rica, Cuba, Guatemala, Jamaica, Mexico, Panama, Paraguay, Puerto Rico, USA, Uruguay, Venezuela Asia: China, India, Iran, Israel, Turkey, Uzbekistan Europe: Bulgaria, Czech, Denmark, France, Germany, Greece, Hungary, Iceland,Ireland, Italy, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Rusia, Slovakia, Spain, Sweden, Switzerland, UK
161 *Myzaphis rosarum*Kaltenbach; Hemiptera: Aphididae; lesser rose aphid	II	*Rosa* spp. (mawar, rose)	batang, daun, bunga	Africa: South Africa

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162	*Naupactus leucoloma* Boheman; (=*Graphognathus leucoloma*Buchanan; = *Pantomorus leucoloma*); Coleoptera: Curculionidae; white fringed weevil, white fringed beetle	II	*Solanum tuberosum* (kentang, potato), *Trifolium repens*, pastures, *Medicago sativa* (alfalfa, lucerne), *Arachys hypogaea* (kacang tanah, peanut) *Allium ascalonicum* (bawang merah, shallot), *Ipomoea batatas* (ubi jalar, sweet potato)	batang, daun, umbi, tanah, akar	Africa: South Africa America: Argentina, Brazil, Chile, Peru, USA, Uruguay Oceania: Australia, New Zealand
163	*Nematocerus* spp.; Coleoptera: Curculionidae; shiny cereal weevil	II	*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), cerealia, legumes, *Camellia sinensis* (teh, tea), *Coffea* spp. (kopi, coffee)	batang, daun, biji	Africa: Ethiopia, Kenya, Somalia, Sudan, Tanzania, Uganda
164	*Oberea bimaculatus*Leconte; Coleoptera: Cerambycidae; raspberry cane borer	II	*Rosa* spp. (mawar, rose)	batang, daun, bunga	America: America.
165	*Olenecamtus bilobus*Fabricius; Coleoptera: Cerambycidae ; Longhorn beetle.	II	*Artocarpus integra, A. hissuta, Mangifera indica*(mangga, mango), *Morusa alba*	batang, kayu, kulit kayu	Asia: India, Pakistan
166	*Ophiomyia simplex*(Loew); (=*Agromyza simplex* (Loew)= *Melanagromyza simplex* (Loew)); Diptera: Agromyzidae; asparagus miner	II	*Asparagus officinalis* (asparagus, asparagus)	batang, daun, akar	America: USA Europe: France
167	*Opogona sacchari*Bojer;(=*Ahucita*	II	*Ananas comosus* (nenas, pineapple), Bambusa	batang, daun, bunga,	Africa: Cape Verde, Madagascar, Mauritius,

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		sacchari Bojer=*Gelechia ligniferalla* Walker=*Gelechia sanctaehelenae* Walker=*Hieroxestis ligniferella*=*Hieroxestis plumipes* Butler=*Hieroxestis sanctaehelenae* Walker=*Hieroxestis subcervinella* Walker=*Laverna plumipes* Butler=*Opogona sanctaehelenae* Walker=*Opogona subcervinella* (Walker) =*Tinea subcervinella* Walker); Lepidoptera; Tineidae; banana moth, sugarcane moth	(bamboo), Dracaena, Hippeastrum, Musa (pisang, banana), Polyphagous (polyphagous), *Saccharum officinarum* (tebu, sugarcane), Strelitzia, Yucca, *Zea mays* (jagung, corn) *Alpinia*, *Begonia*, *Bougainvillea spectabilis* (Bougainvilla), Bromeliaceae, Cactaceae (cacti),Capsicum (peppers), Chamaedorea, *Chamaedorea elegans* (parlour palm), Cordyline, Dieffenbachia (dumbcanes), Dioscorea (gembili, yam), *Euphorbia pulcherrima* (poinsettia), Ficus, Heliconia, Hippeastrum, Maranta (arrowroot), Philodendron, Saintpaulia (african violet), Sansevieria (snake plant), *Sinningia speciosa* (gloxinia), *Solanum melongena* (terung, eggplant, aubergine)	bibit, umbi	Morocco, Nigeria, Réunion, Saint Helena, Seychelles, South Africa America: Barbados, Bermuda, Honduras, USA, Brazil, Peru, Venezuela Asia: China, Israel, Japan Europe: Germany, Italy, Netherlands, Poland, Portugal, Spain, Switzerland Europe: Germany,Italy, Netherlands, Poland, Portugal, Russian, Spain, Switzerland
168	*Oryctes boas*Fabricius; Coleoptera: Scarabaeidae; rhinoceros beetle, scarabeid oryctes boas	II	*Cocos nucifera* (kelapa, coconut), *Elaeis* guineensis (kelapa sawit, oilpalm), *Phoenix dactylifera* (kurma, dates-palm) Washingtonia (wshington-palm)	batang, daun, media tanam, tanah	Africa: Angola, Benin, Burkina Faso, Burundi, Chad, DR Congo, Congo, Ethiopia, Gambia, Guinea-Bissau, Ivory Coast, Kenya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Niger,

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						Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe
169	*Oryctes elegans*Prell; Coleoptera: Scarabaeidae; rhinoceros beetle	II		*Phoenix dactylifera* (kurma, dates-palm)	batang, daun, media tanam, tanah	Asia: Saudi Arabia, Yemen
						Africa: Mauritius Asia: Iran
170	*Oryctes monoceros*(Olivier); (=*Oryctes bhucheaui* Fairmaire=*Oryctes insularis* Coquerel=*Scarabaeus monoceros* Olivier); Coleoptera: Scarabaeidae; rhinoceros beetle; coconut beetle	II		*Cocos nucifera* (kelapa, coconut), *Elaeis* guineensis (kelapa sawit, oilpalm), *Phoenix dactylifera* (kurma, dates-palm) *Agave sisalana* (sisal hemp), *Areca* spp., *Dracaena* spp., *Musa* spp. (pisang, banana), *Raphia* spp., *Saccharum officinarum* (tebu, sugarcane)	batang, daun, media tanam, tanah	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Comoros, DR Congo, Congo, Ivory Coast, Ghana, Guinea, Guyana, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Reunion, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda
						Asia: Saudi Arabia, Yemen
171	*Ostrinia nubilalis* Hubner; (=*Botys nubilalis* Robin & Laboulbène=*Botys silacealis*Hübner=*Micracris nubilalis*=*Micractis nubilalis* Hübner=*Pyralis nubilalis* Hübner=*Pyrausta nubilalis* Meyrick=*Pyrausta silacealis*); Lepidoptera:	II		*Avena sativa* (oat, oats), *Echinochloa crus-galli* (barnyard grass), *Hordeum vulgare* (barley), *Humulus lupulus* (hops), *Pennisetum glaucum* (pearl), rerumputan (Poaceae), *Sorghum bicolor* (sorgum, sorghum), *Sorghum halepense* (Johnson grass),	batang, daun, buah, biji	Africa: Algeria, Egypt, Libya, Morocco, Tunisia America: Canada, USA Asia: China, Georgia, Iran, Israel, Lebanon, Syria, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech, Denmark, France,

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Crambidae; European maize borer, European corn borer, corn moth, stalk borer		serealia lainnya (cereal), *Setaria italica* (foxtail millet), *Zea mays* (jagung, corn), *Zea mays* subsp. *mays* (sweetcorn) *Amaranthus hybridus* (bayam, spinach), *Amaranthus* spp. (grain amaranth), *Amaranthus retroflexus* (redroot pigweed), *Arctium minus* (common burdock), *Artemisia vulgaris* (mugwort), *Chrysanthemum* spp., *Capsicum* spp. (peppers), *Capsicum annuum* (cabai besar, paprika, bell pepper), Chrysanthemum (daisy), *Cynara scolymus* var. Scolymus (artisyok, globeartichoke), *Datura stramonium* (jimsonweed), *Glycine max* (kedelai, soyabean), *Gossypium barbadens* (kapas, cotton), *Helianthus annuus* (bunga matahari, sunflower), *Humulus lupulus* (hop), *Solanumlycopersicum* (tomat, tomato), Populus (poplars), *Malus domesticum* (apel, apple), *Vigna* spp. (cowpea), *Prunus persica* (persik, peach), *Solanum tuberosum*		Germany, Greece, Hungary, Ireland, Italy, Moldova, Montenegro, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK	

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			(kentang, potato), *Phaseolus vulgaris* (buncis, common bean), *Triticum aestivum*(gandum, wheat), Xanthium (Cocklebur)			
172	*Otiorhyncus sulcatus* Fabricius; Coleoptera: Curculionidae; black pine weevil	II	Pinus	batang, kulit kayu, kayu	Africa: Egypt America: USA, Colombia, Chile, Canada Asia: Japan Europe: Russia Oceania: Australia, New Zealand	
173	*Oulema oryzae*Kuw.; (Lema oryzae); Coleoptera: Chrysomelidae; rice leaves beetle	II	*Oryza sativa* (padi, paddy)	batang, daun	Asia: China, Japan, Korea Europe: Armenia, Azerbaijan, Belarus, Estonia, Georgia,Kazakhstan, Kyrgystan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan, Ukraine	
174	*Pachydissus sericus*Newman; Coleoptera: Cerambycidae; longhorn beetle	II	*Acacia* spp.	batang, kayu, kulit kayu	Oceania: Australia	
175	*Pachymerus lacerdae*Chevr.; (=*Pachymerus olearius*); Coleoptera: Bruchidae; palm kernel borer	II	*Elaeis guineensis* (kelapa sawit, oilpalm)	buah, biji	Africa: Benin, Burkina Faso, Cameroon, Cape Verde, Ivory Coast, Gabon, Ghana, Guinea-Bissau, Liberia, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Togo, Northwest Africa America: Argentina, Bolivia,	

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						Brazil, Chile, Colombia, Dominican Republic,Ecuador, French Guiana, Guyana, Panama, Peru, Paraguay, Peru, Uruguay, Venezuela
176	*Pachymerus nucleorum* Fabricius; (=*Bruchus nucleorum*=*Caryoborus nucleorum*); Coleoptera: Bruchidae; coconut borer, kernel borer	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm)	buah, biji		America: Brazil, Guyana France, Guyana, Paraguay
177	*Paleacrita vernata*Peck.; (=*Alsophila vernata*); Lepidoptera: Geometridae; spring cankerworm	II	*Ulmus* spp., kayu hutan lainnya (other forest tree)	batang, daun, buah		America: Canada, USA
178	*Papaipema nebris*Guenee; (=*Papaipema nitela*); Lepidoptera: Noctuidae; stalk borer	II	*Zea mays* (jagung, corn), cerealia	batang, daun, bunga		America: USA
179	*Parallelodiplosis cattleyae*Molliard; Diptera: Cecydomiidae; cattleya midge	II	Orchidaceae (anggrek, orchid)	batang, daun, bunga		America: USA
180	*Parthenolecanium corni* Bouché;(= *Coccus rosarum* Snellen van Volenhoven in De Graaf et al.=*Coccus tiliae* Fitch=*Eulecanium corni* corni (Bouché); Schmutterer=*Eulecanium fraxini* King=*Eulecanium*	II	Crataegus (hawthorns), Malus (ornamental species apple), *Mespilus germanica* (medlar), *Morus alba* (mora), Prunus (stone fruit), *Prunus domestica* (plum), *Prunus persica* (persik. peach), Populus (poplars), *Prunus salicina*	bunga, buah, daun, batang, bibit tanaman		Africa: Algeria, Egypt, Libya America: Argentina, Brazil, Canada, Chile, Mexico, USA, Peru Asia: Afghanistan, Armenia, Azerbaijan, China, Georgia, India,Iran, Israel, Japan,Kazakhstan, Korea

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guignardi King=*Eulecanium kansasense* (Hunter) King=*Eulecanium rosae* King=*Eulecanium vini* (Bouché) Cockerell=*Lecanium* (Eulecanium) *armeniacum* Craw; Cockerell & Parrott=*Lecanium* (Eulecanium) *assimile* Newstead; Reh= *Lecanium* (Eulecanium) *aurantiacum* Hunter=*Lecanium* (Eulecanium) *canadense* Cockerell; Cockerell & Parrott=*Lecanium* (Eulecanium) *caryarum* Cockerell=*Lecanium* (Eulecanium) *corylifex* Fitch; Cockerell=*Lecanium* (Eulecanium) *crawii* Ehrhorn; Cockerell & Parrott=*Lecanium* (Eulecanium) *cynosbati* Fitch; Cockerell & Parrott=*Lecanium* (Eulecanium) *fitchii* Signoret; Cockerell & Parrott=*Lecanium* (Eulecanium) *kingii* Cockerell=*Lecanium*		(Japanese plum), *Prunus serotina* (black cherry), *Pyracantha coccinea* (Scarlet firethorn), Ribes (currants), *Ribes nigrum* (blackcurrant), *Ribes rubrum* (red currant), Rosa (mawar, roses), *Vitis vinifera* (anggur, grapevineAcer (maples), *Aesculus hippocastanum*(horse chestnut), *Aphelandra squarrosa* (Zebra plant), *Buxus sempervirens* (common boxwood), *Carpinus betulus* (hornbeam), *Celtis occidentalis* (hackberry), *Citrus aurantiifolia* (lime), *Clematis vitalba* (old man's beard), Cornus (Dogwood), *Cornus sanguinea* (dogwood), Corylus, *Corylus avellana* (hazel), Cotoneaster, *Cydonia oblonga* (quince), *Euonymus europaeus*, Fraxinus (ashes), Jasminum (jasmine), *Juglans regia* (walnut), Lonicera (honeysuckles), *Magnolia grandiflora* (Southern magnolia), *Malus domestica* (apel, apple), *Mespilus germanica* (medlar), *Morus*		DPR(North Korea), Republic of Korea (South Korea), Kyrgyzstan, Lebanon, Mongolia,Pakistan, Syria, Tajikistan,Turkey, Turkmenistan, Uzbekistan Europe: Albania, Austria,Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Czech, Croatia, Cyprus, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Luxembourg, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia,Montenegro, Macedonia,Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand	

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(Eulecanium) *tintneri* Cockerell & Bennett; Cockerell=*Lecanium* (Eulecanium) *macrurarum* Cockerell=*Lecanium* (Eulecanium) *ribis* Fitch; Cockerell & Parrott=*Lecanium* (Eulecanium) *rugosum* Signoret; Cockerell=*Lecanium* (Eulecanium) *tarsale* Signoret; Cockerell & Parrott=*Lecanium* (Eulecanium) *vini* Bouché; King & Reh=*Lecanium adenostomae* Kuwana=*Lecanium armeniacum* Craw=*Lecanium assimile* Newstead=*Lecanium canadense* Cockerell; Cockerell=*Lecanium caryaecanadense* Cockerell=*Lecanium corni* Bouché=*Lecanium corni* robiniarum Marchal=*Lecanium coryli* (Linnaeus); Sulc (misidentification)=*Lecaniu m corylifex* Fitch =*Lecanium crawii* Ehrhorn=*Lecanium*		*alba* (mora), Populus (poplars), *Prunus salicina* (Japanese plum), *Prunus serotina* (black cherry), *Pyracantha coccinea* (Scarlet firethorn), Pyrus (pir, pears), *Pyrus communis* (European pear), *Ribes uva-crispa* (gooseberry), *Robinia pseudoacacia*(black locust), *Rosmarinus officinalis* (rosemary), Rubus (blackberry, raspberry), *Rubus idaeus* (raspberry), Salix (willows), Sorbus (rowan), Spiraea, *Taxus baccata* (English yew), Tilia (limes), Ulmus (elms), *Vaccinium myrtillus* (blueberry), Viburnum), *Wisteria sinensis* (purple wisteria)		

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cynosbati Fitch=*Lecanium fitchii* Signoret=*Lecanium folsomi* King=*Lecanium juglandifex* Fitch=*Lecanium kansasense* Hunter=*Lecanium lintneri* Cockerell & Bennett in Cockerell=*Lecanium macurae* Hunter=*Lecanium obtusum* Thro=*Lecanium persicae* crudum Green=*Lecanium prunosumarmeniacum* Craw; Tyrell=*Lecanium rehi* King in King & Reh=*Lecanium ribis* Fitch=*Lecanium robiniarum* Douglas=*Lecanium rugosum* Signoret=*Lecanium tarsalis* Signoret=*Lecanium vini* Bouché=*Lecanium websteri* King=*Lecanium wistariae* Signoret=*Parthenolecanium corni* (Bouché); Borchsenius=*Parthenolecanium coryli* (Linnaeus); Sulc (misidentification)); Hemiptera: Coccidae; European fruit lecanium brown scale; European fruit scale; peach scale; yew scale; fruit scale			

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181	*Pemphigus betae*Doane; Hemiptera: Aphididae; sugarbit root aphid	II	*Beta* spp.	batang, daun, umbi	America: Canada, Mexico, USA
182	*Peridroma saucia*Hubner; (=*Agrotis angulifera* =*A.impacta* =*A.inermis* =*A.intecta* =*A.ortonii* =*A.saucia* =*Lycophotia margaritosa* =*L.ochronota* =*L.saucia* =*Noctua aequa* =*N.majuscula* =*N.margaritosa* =*N.saucia* =*Rhyacia margaritosa* =*R.saucia* =*Peridroma margaritosa*; Lepidoptera: Noctuidae; variegated cutworm, pearly underwing moth	II	*Beta vulgaris* (bit, beetroot), *Brassica oleracea* (cabbages, cauliflowers), *Brassica oleracea* var. *capitata* (kubis, cabbage), *B. oleracea var. botrytis* (bunga kol, cauliflower), *Capsicum annuum* (paprika, bell-pepper), *Cynara scolymus* (artisyok, artichoke), *Lactuca sativa* (selada, lettuce), *Solanumlycopersicum* (tomat, tomato), *Solanum tuberosum* (kentang, potato), *Medicago sativa* (alfalfa, lucerne), *Nicotiana tabacum* (tembakau, tobacco) *Abies balsamea* (balsam fir), *Abies grandis* (grand fir), Acer (maples),*Acer negundo* (box elder), *Acer saccharum* (sugar maple), *Alcea rosea* (Hollyhock), *Allium cepa* (bawang bombay, onion), *Alnus rubra* (red alder), *Allium ascalonicum* (bawang merah, shallot), *Apium graveolens* (seledri, celery), *Arachys hypogaea* (kacang tanah,	batang, daun, bunga	Africa: Morocco, Tunisia America: Argentina, Bermuda, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Jamaica, Mexico, Peru, Puerto Rico, USA, Uruguay, Venezuela Asia: Armenia, China, Israel, Japan, Republic of Korea (South Korea), Sri Lanka, Syria, Taiwan, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Canary Island, Croatia, Czech, Denmark, Faroes Island, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kosovo, Lithuania, Luxembourg, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, UK	

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		peanut), *Asparagus officinalis* (asparagus, asparagus), Asparagus setaceus (asparagus fern), Aster, *Ambrosia artemisiifolia* (common ragweed), *Amelanchier canadensis* (thicket serviceberry), *Anthemis cotula* (dog fennel), *Avena sativa* (oat, oats), *Brassica* spp, *Beta vulgaris* (beetroot), *Beta vulgaris* var. *saccharifera* (sugarbeet), *Brassica napus* var. *napus* (rape), *Brassica nigra* (black mustard), *Brassica rapa* subsp. *oleifera* (turnip rape), *Capsella bursa-pastoris* (shepherd's purse), Chrysanthemum (daisy), *Cicer arietinum* (chickpea), Cichorium (chicory), Cirsium (thistle), *Citrus lemon* (lemon), *Chamaecyparis thyoides* (atlantic whitecedar), *Chenopodium quinoa* (quinoa), *Citrullus lanatus* (semangka, watermelon), *Cicer arietinum* (chickpea), *Citrus* spp. (jeruk, orange), *Conyza canadensis*, *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun,		

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		cucumber), *Cucurbita maxima* (waluh, labu parang, pumpkin), *Daucus carota* (wortel, carrot), Dahlia, *Datura stramonium* (jimsonweed), Dianthus (carnation), *Epilobium angustifolium* (rosebay willowherb), Erigeron (Fleabane), *Fragaria vesca* (arbei, wild strawberry), *Fragaria ananassa* (strawberry), Geranium (cranesbill), *Gladiolus hybrids* (sword lily), *Gleditsia triacanthos* (honey locust), Gossypium (cotton), *Gossypium barbadens* (kapas, cotton), *Gleditsia triacanthos*, *Helianthus annuus* (bunga matahari, sunflower), *Hordeum vulgare* (barley), *Humulus lupulus* (hop), *Inula helenium* (Elecampane), *Ipomoea batatas* (ubi jalar, sweetpotato), *Lathyrus odoratus* (sweet pea), *Linum usitatissimum* (flax), *Lolium* spp. (ryegrasses), *Maclura pomifera* (osage orange), *Malus domestica*(apel, apple),		

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		Mentha piperita, *Melia azedarach* (Chinaberry), *Melilotus albus* (honey clover), *Mentha piperita* (Peppermint), *Mentha spicata* (Spear mint), *Morus alba* (mora), *Parthenium argentatum* (Guayule), Petunia, *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), *Phleum pratense* (timothy), *Persea americana* (avokad, avocado), *Pimenta dioica* (allspice), *Vigna* spp. (buncis, cowpea), *Pisum sativum* (kapri, sweet pea), *Pimenta dioica*, *Prunus americana* (aprikot, apricot), *Prunus domesticum* (plum), *Pyrus communis* (pir,pear), *Portulaca oleracea*, *Prunus cerasus*, *Prunus persica* (persik, peach), *Pteridium aquilinum*, *Picea glauca* (white spruce), *Pisum sativum* (pea), Plantago (Plantain), Polygonum (knotweed), Populus (poplars), P*ortulaca oleracea* (purslane), Prunus (stone fruit), *Prunus salicina* (Japanese plum), *Pseudotsuga menziesii* (Douglas-fir),		

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		Pteridium aquilinum (bracken), *Pyrus communis* (European pear), *Raphanus sativus* (lobak, radish), *Rheum hybridum* (rhubarb), Rhus (Sumach), *Ribes uva-crispa* (gooseberry), Rosa (roses), *Rubus idaeus*, *Rubus fruticosus* (blackberry), *Rubus idaeus*(raspberry), *Rubus occidentalis* (black raspberry), *Raphanus sativus* (lobak, radish), Rumex (Dock), Salix (willows), *Salvia officinalis* (*common sage*), *Secale cereale* (rye), *Sinapis alba* (white mustard), *Spinacia oleracea*, *Stellaria media*, Solidago (Goldenrod), Sonchus (Sowthistle), *Spinacia oleracea* (spinach), *Stellaria media* (common chickweed), Trifolium (clovers), *Triticum aestivum* (gandum, wheat), turfgrasses, *Tropaeolum majus* (common nasturtium), *Tsuga canadensis* (eastern hemlock), Vaccinium (blueberries), Vicia (vetch), *Vicia faba* (faba bean), *Vitis vinifera* (anggur, grapevine), Viola (violet), *Xanthium*		

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		strumarium (common cocklebur), *Zea mays* (jagung, corn), *Zea mays* subsp. *mays* (sweetcorn), *Zea mays* subsp. *mexicana* (teosinte), Zinnia			
183	*Phenacoccus gossypii*Townsend & Cockerell; (=*Phenacoccus madeirensis=Phenacoccus grenadensis=Phenacoccus harbisoni*);Hemiptera: Pseudococcidae; Mexican mealybug, cassava mealybug	Avena sativa (oats), Capsicum annuum (bell pepper), Citrus, Coleus, *Gossypium barbadens* (kapas, cotton), Hibiscus (rosemallows), *Lantana camara* (lantana), *Manihot esculenta* (ubi kayu, cassava), *Solanum melongena* (terung, eggplant, aubergine), *Solanum tuberosum* (kentang, potato) Acacia (wattles), Acalypha (Copperleaf), *Ageratina adenophora* (Croftonweed), Ambrosia (Ragweed), *Ananas comosus* (pineapple), *Artocarpus altilis* (breadfruit), Aster, *Cajanus cajan* (pigeon pea), Cassia (sennas), Cestrum (jessamine), *Cestrum nocturnum* (night scented cestrum), Codiaeum (ornamental croton),*Codiaeum variegatum* (croton),Desmodium (tick clovers), Erigeron (Fleabane), Fabaceae (leguminous plants), Geranium (cranesbill),	batang, daun, bunga	Africa: Angola, Benin, Cameroon, Cape Verde, DR Congo, Ivory Coast, Gabon, Gambia, Ghana, Liberia, Malawi, Mauritius, Mozambique, Nigeria, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Togo, Zimbabwe America:Antigua and Barbuda, Bermuda, Bahama, Barbados, British Virgin Islands, Brazil, Bolivia, Cayman Islands, Costa Rica, Cuba, Colombia, Dominica Republic, Ecuador, Guyana, Grenada, Guadeloupe, Guatemala, Haiti, Jamaica, Montserrat, Mexico,Paraguay,Peru, Panama, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Trinidad and Tobago, USA, Venezuela Asia: India, Philippines, Taiwan, Thailand, Yemen Europe: France, Greece, Italy, Portugal, Spain	II	

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			Gesneriaceae, *Hibiscus mutabilis* (cottonrose), Lantana, Malvaceae, Mentha (mints),*Mikania micrantha* (mile-a-minute), Mimosa (sensitive plants), *Ocimum basilicum* (basil),Pachystachys, *Parthenium hysterophorus*(parthenium weed), Pelargonium (pelargoniums), *Ricinus communis* (castor bean), Sophora		Oceania: Guam, Federated State of Micronesia
184	*Phorachanta semipunctata* Fabricius; Coleoptera: Cerambycidae; Eucalyptus longhorned borer	II	*Eucalyptus diversicolor*,*E. globules*,*E. maidenii*	batang, kayu, kulit kayu	Africa: South Africa America: USA Europe: France, Italy, Netherlands, Spain, Portugal
185	*Phylloxera vitifoliae*Fitch.; (=*Dactylosphaera vastatrix* (Planchon=*Dactylosphaera vitifoliae* (Shimer)=*Daktulosphaira vitifoliae* Fitch=*Daktylosphaera vitifoliae* Fitch=*Pemphigus vitifoliae* Fitch=*Peritymbia vastatrix* Fitch=*Peritymbia vitifoliae* (Planchon)=*Peritymbia vitisana* Westwood=*Phylloxera*	II	*Vitis vinifera* (anggur, grapevine), *Vitis aestivalis* (Summer grape), *Vitis labrusca* (fox grape), *Vitis riparia* (riverbank grape)	batang, daun, buah, bunga, akar	Africa: Algeria, Morocco, South Africa, Tunisia, Zimbabwe America: Argentina, Bermuda, Bolivia, Brazil, Canada, Colombia, Mexico, Panama, Peru, USA, Uruguay, Venezuela Asia: Armenia, Azerbaijan, China, Georgia, India, Israel, Japan, Jordan, Korea DPR (North Korea),Republic of Korea (South Korea), Lebanon, Syria, Turkey Europe: Austria, Bosnia and

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		pervastatrix Börner=*Phylloxera vastatrix* (Planchon)=*Phylloxera vitifolii* (Fitch)=*Rhizaphis vastatrix* (Planchon)=*Viteus vastatrix* (Planchon)=*Viteus vitifoliae)*; Hemiptera: Phylloxeridae; phylloxera, grape phylloxera, vine louse, grape leaf louse			Herzegovina, Bulgaria, Croatia, Czech, France, Germany, Greece, Hungary, Italy, Luxembourg, Macedonia, Malta, Moldova, Montenegro, Portugal, Poland, Romania, Russia, Slovakia, Slovenia, Serbia, Spain, Switzerland, Ukraine, UK Oceania: Australia, New Zealand
186	*Pieris rapae.*; (=*Artogeia rapae* =*Ascia rapae* =*Mancipium rapae* =*Papilio rapae* =*Pontia rapae)*; Lepidoptera: Pieridae; cabbage butterfly, cabbage white butterfly, common cabbage worm, imported cabbage worm, rape white butterfly, small white butterfly	II	*Brassica* spp., *Brassica oleracea* (cabbage, cauliflowers), *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Brassica oleracea* var. *gongylodes* (kohlrabi), *Brassica oleracea* var. *italica* (brokoli, broccoli), *Brassica oleracea* var. *viridis*(collards), *Brassica rapa* cultivar group Caixin, *Brassica rapa* subsp. *oleifera* (turnip rape), *Brassica rapa* subsp. *pekinensis*, Brassicaceae (cruciferous crops), *Allaria petiolata*(garlic mustard), *Cakile maritima*,	batang, daun	Africa: Algeria, Egypt, Libya, Morocco America: Bermuda, Canada, Mexico, USA Asia: Afghanistan, Azerbaijan, China, Georgia, India, Iran, Iraq, Israel, Japan, Jordan, Korea DPR (North Korea),Republic of Korea (South Korea), Kyrgyzstan, Lebanon, Mongolia, Myanmar, Pakistan, Philippines, Singapore, Syria, Taiwan, Turkey, Vietnam Europe: Austria, Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Kosovo, Latvia, Lithuania, Macedonia,

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		*Erysimum cheiranthoides (Treacle mustard), Rorippa indica (*Indian marshcress*), Spinacia oleracea (*Spinach*), Tropaeolum majus*(common nasturtium*)*			Montenegro, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden,Switzerland, Ukraine, UK, Serbia
					Oceania: Australia, New Zealand
187 *Piesarthrus marginellus*Newman; Coleoptera: Cerambycidae;acacia longhorn beetle	II	*Acacia* spp.	batang, kayu, kulit kayu		Oceania: Australia
188 *Pimelephila ghesquierei*Tams.; Lepidoptera: Pyralidae; African spir borer	II	*Elaeis guineensis* (kelapa sawit, oilpalm), Raphia *Cocos nucifera* (kelapa, coconut)	batang, daun		Africa: Benin, Cameroon, Central African Republic, Congo,DR Congo, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Ivory Coast, Liberia, Niger, Nigeria, Senegal, Sierra Leone, Togo
189 *Pissodes strobi* Peck; (=*Pissodes engelmanni* Hopkins =*Pissodes sitchensis* Hopkins); Coleoptera: Curculionidae;sitka spruce weevil	II	*Picea abies* (common spruce), *Picea engelmannii* (Engelmann spruce), *Picea glauca* (white spruce), *Picea sitchensis* (Sitka spruce), *Pinus banksiana* (jack pine), *Pinus strobus* (eastern white pine), *Pinus balfourina, P. densifola, P. flexilis, P. griffithii, P. montocola, P. mugo, P. ponderosa, P. rigida, P. sylvestris, Pseudotsuga*	batang, kayu		America: Canada, Mexico, USA

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			menziesii *Picea mariana* (black spruce), *Picea omorika* (Pancic spruce), *Picea pungens* (blue spruce), *Picea rubens* (red spruce), *Pinus contorta* (lodgepole pine),*Pinus flexilis* (limber pine),*Pinus koraiensis* (fruit pine), *Pinus monticola* (western white pine), *Pinus mugo* (mountain pine), *Pinus nigra* (black pine), *Pinus parviflora* (Japanese white pine), *Pinus peuce*(macedonian pine), *Pinus resinosa* (red pine), *Pinus rigida* (pitch pine), *Pinus strobiformis* (southwestern white pine), *Pinus sylvestris* (Scots pine), *Pinus tecunumanii* (tecun uman pine), *Pinus wallichiana* (blue pine)		
190	*Planococcoides njalensis*Laing; (=*Pseudococcus njalensis* =*P.exitiabilis*); Hemiptera: Pseudococcidae; Northwest African cocoa mealybug	II	*Theobroma cacao* (kakao, cocoa), *Persea americana* (avokad, avocado) *Ananas comosus* (nenas, pineapple), *Bombax buonopozense* (silk-cotton tree), *Ceiba pentandra* (kapok), Clerodendrum (Fragrant clerodendron),	tunas, batang, daun, buah	Africa: Benin, Cameroon, DR Congo, Congo, Ghana, Guinea, Ivory Coast, Liberia, Nigeria, Sao Tome & Principe, Senegal, Sierra Leone, Togo

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		Coffea spp. (kopi, coffee), *Coffea arabica* (kopi arabika, arabica coffee), *Coffea canephora* (kopi robusta, robusta coffee), *Coffea liberica* (Liberian coffee tree), *Cola acuminata*(cola), *Delonix regia* (flamboyant), Euphorbiaceae, Fabaceae (leguminous plants), *Gliricidia sepium* (mother of cocoa), *Mangifera indica* (mangga, mango), Rubiaceae, Solanaceae, Sterculiaceae			
191	*Planococcus kenyae* Le Pelley;(=*Planococcus subukiaensis=Pseudococcus kenyae=P.kenyaensis);* Hemiptera: Pseudococcidae; coffee mealybug, Kenya mealybug	II	*Cajanus cajan* (kacang gude, pigeon pea), *Citrus* spp.(jeruk, orange), *Coffea* spp. (kopi, coffee), *Coffea arabica* (kopi arabika, arabica coffee), *Coffea canephora* (kopi robusta, robusta coffee), *Coffea eugenioides*, *Dioscorea* sp. (gembili, yam), *Ipomoea batatas*(ubi jalar, sweet potato), *Passiflora* spp. (passion flower), *Saccharum officinarum* (tebu, sugarcane), *Theobroma cacao* (kakao, cocoa) *Acacia* spp. (wattles), *Annona cherimola* (cherimoya), *Annona squamosa* (srikaya, sweetsop), *Bauhinia purpurea* (purple bauhinia), *Beta*	tunas, batang, daun, bunga, buah	Africa:Burundi, DR Congo, Congo, Ivory Coast, Ghana, Kenya, Malawi, Nigeria, Rwanda, Siera Leone, Sudan, Tanzania, Togo, Uganda, Zimbabwe	

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			vulgaris (bit, beetroot), *Carissa edulis* (egyptian carissa), *Codiaeum variegatum* (croton), *Erythrina abyssinica* (red hot poker tree), Gardenia, Gliricidia, *Gossypium barbadens* (kapas, cotton), *Indigofera* spp., (indigo), *Impatiens* (balsam), Inga, *Jacaranda mimosifolia* (Brazilian rose wood), *Lolium perenne* (perennial ryegrass), Phaseolus (beans), *Psidium guajava* (jambu batu, guava), *Pueraria lobata, Pueraria montana* var. *lobata* (kudzu), *Ricinus communis* (castor bean), *Sesbania grandiflora* (turi, agati), *Sesbania sesban* (sesban), Solanum (nightshade), *Solanum seaforthianum* (star potato-vine), *Sonchus oleraceus* (common sowthistle)		
192	*Platyomopsis egena* Pascoe; Coleoptera: Cerambycidae	II	*Acacia* spp.	batang, kayu, kulit jayu	Oceania: Australia
193	*Platyomopsis nigrovireus* Donovan; Coleoptera: Cerambycidae;green striped longhorn beetle	II	*Acacia* spp.	batang, kayu, kulit kayu	Oceania: Australia

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194	*Popilia japonica*Newman; (=*Aserica japonica=A. japonica=Maladera japonica=Serica japonica*); Coleoptera: Scarabaeidae; Japanese beetle, velvety chafer	II	*Acer* spp., *Asparagus officinalis*(asparagus, asparagus), *Glycine max* (kedelai, soyabean), *Malus domesticum* (apel, apple), buah batu (stone fruit), *Rheum hybridum*, *Rosa* spp. (mawar, rose), *Rubus* spp.(raspberry), *Tilia* spp., *Ulmus* spp., *Zea mays* (jagung, corn) *Aesculus* spp., *Althaea* spp., *Castanea* spp., *Hibiscus* spp., *Juglans nigra*, *Platanus* spp., *Populus* spp., *Salix* spp., *Sorbus americana*, *Sassafras albidum*, *Betula* spp., turfgrasses.	batang, daun, bunga, akar, tanah	America: Canada, USA Asia: China, India, Japan, Korea Europe: Portugal, Russia
195	*Prionorycles camiculus*Arr.; Coleoptera: Scarabaeidae; yam beetle	II	*Dioscorea* sp. (gembili, yam), *Dioscorea esculenta*	batang, daun, umbi	Africa: all
196	*Prostephanus truncatus* Horn.; (=*Dinoderus truncates*); Coleoptera: Bostrichidae; larger grain borer, greater grain borer, scania beetle	II	Dried cassava (gaplek), *Zea mays* (jagung, corn), *Manihot esculenta* (ubi kayu, cassava), stored products (dried stored products) S): *Arachis hypogaea* (kacang tanah, peanut), *Dioscorea* sp. (gembili, yam), *Phaseolus vulgaris* (buncis, common bean), *Sorghum bicolor* (sorgum, sorghum), *Triticale*	umbi kering, biji	Africa: Benin, Burkina Faso, Burundi, Ghana, Guinea, Kenya, Malawi, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, South Africa, Tanzania, Togo, Zambia America:Brazil, Canada, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, USA

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		spp., *Triticum aestivum* (gandum, wheat)				Asia:Cambodia Europe:France,Italy
197	*Protomelittoma insulare* Fairmaire; Coleoptera: Lymexylidae; stem borer	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm)	batang	batang	Africa: Madagascar, Seychelles.
198	*Pseudococcus aurilanatus* Maskell; Hemiptera: Psudococcidae; Golden mealybug, yellow banded mealybug	II	*A. Excelsia, Araucaria* spp.		batang, kayu	Africa: Kenya, Uganda America: Canada, Mexico, USA Oceania: Australia, New Zealand
199	*Pseudococcus calceolariae* Maskell;(=*Dactylopius calceolariae* (Maskell), *Erium calceolariae* ((Maskell) Lindinger), *Pseudococcus citrophilus* (Clausen), *P. fragilis* Brain; *P. gahani* Green, *P. similans*);Hemiptera: Pseudococcidae; scarlet mealybug, Citrophilus mealybug, currant mealybug	II	*Abutilon* (Indian Mallow), *Arachis hypogaea* (kacang tanah, peanut), *Brachychyton, Brassica, Ceanothus* (white-thorne), *Chenopodium* (Goosefoot), *Citrus medica* (citron), *Conium maculatum* (Poison hemlock), *Crataegus,* (hawthorns), *Cynodiaoblonga* (quince), *Daucus carota* (wortel, carrot), *Dodonaea viscosa* (switsch sorrel), *Eugenia, Ficus, Fragaria* (stroberi, strawberry), *Geranium* (cranesbill), *Hedera helix* (ivy), *Helianthusspp.* (sunflower), *Heliotropium arborescens* (cherry pie), *Hibiscus* (rosemallows), *Juglans regia* (walnut), *Laburnum anargyroides* (laburnum), *Ligustrum*	bibit tanaman, bagian tanaman		Africa: Ghana, Madagascar, Morocco, Namibia, South Africa America: Argentina, Brazil, Bolivia, Central America, Colombia, Chile, Dominican Republic, Ecuador, French Guiana, Mexico, USA, Paraguay, Peru, Uruguay, Venezuela, Asia: China, Georgia Europe: Czech, France, Italy, Netherlands, Portugal, Russia, Slovakia, Spain, Ukraine, UK Oceania: Australia, New Zealand	

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		(privet), *Lolium* spp (ryegrasses), *Malus domestica* (apel, apple), *Malus sylvestris* (crab-apple tree), *Malva* (mallow), *Musa paradisiaca* (pisang kepok, plantain), *Nerium oleander* (oleander), *Pelargonium* (pelargoniums), *Pinus radiata* (radiata pine), *Pisum sativum* (pea), *Pittosporum tobira* (japanese pittosporum), *Pittosporum undulatum* (pittosporum), *Polyscias*, *Prunus*, (stone fruit), *Pyrus communis* (European pear), *Rheum hybridum*, (rhubarb), *Rhododendron* (Azalea), *Ribes sanguineum* (Flowerring currant), *Rosa* (mawar, roses), *Rubus* (blackberry, raspberry) *Schinus molle* (false pepper tree), *Sechium edulle* (chayotte), *Solanum tuberosum* (kentang, potato), *Theobroma cacao* (kakao, cocoa), *Vitis vinifera* (anggur, grapevine), *Saccharum officinarum* (tebu, sugarcane)			
200	*Pseudotheraptus wayi* Brown; (=*Theraptus* sp. (Way)); Hemiptera:	II	*Cocos nucifera* (kelapa, coconut), *Anacardium occidentale* (jambu mete,	batang, bunga, buah	Africa: Kenya, South Africa, Tanzania

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		Coreidae; coconut bug	cashew-nut), *Macadamia* spp., *Macadamia integrifolia* (macadamia nut), *Cinnamomum myanmarnii* (bark of kayu manis, cassia vera), *Cinnamomum verum* (kayu manis, cinnamon), *Eriobotrya japonica* (lokwat, loquat), *Psidium guajava* (jambu biji, guava), *Theobroma cacao* (kakao, cocoa), *Averrhoa carambola* (belimbing, carambola, starfruit), *Carya illinoinensis*(pecan), *Mangifera indica* (mangga, mango), *Persea americana* (avokad, avocado)		
201	*Psila rosae*Fab.; (=*Chamaepsila rosae* = *Musca rosae* =*Chamaepsila hennigi*); Diptera: Psilidae; carrot root fly, carrot rust fly	II	*Petroselinum crispum* (parseli, parsley), *Pastinaca sativa* (parsnip), *Apium graveolens* (seledri, celery), *Apium graveolens* var. *rapaceum* (celeriac), *Daucus carota* (wortel, carrot), *Carum carvi* (jinten, caraway), *Levisticum officinale* (lovage), *Anethum graveolens* (dill), *Anthriscus cerefolium*, Brassica, *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Coriandrum*	umbi, media tanam, tanah	America: Canada, USA Asia: Georgia, Japan, Mongolia, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Czech, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: New Zealand

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			sativum (ketumbar, coriander), *Conium maculatum* (Poison hemlock), *Foeniculum vulgare* (adas pedas, fennel), *Raphanus sativus* (lobak, radish)			
202	*Psorosina hammondi*Riley.; Lepidoptera: Pyralidae; apple leaves skeletonizer	II	*Malus domestica (*apel, apple*), Prunus persica* (persik, peach), *Pyrus communis (*pir, pear*)*, nektarin, other stone fruit (buah batu lainnya)	batang, daun, buah		America: Canada, USA
203	*Pyrrhia umbra*Hufnagel; Lepidoptera: Noctuidae; rose budworm, tobacco striped caterpillar	II	*Solanumlycopersicum* (tomat, tomato)	batang, daun, bunga		Asia:Republic of Korea (South Korea) Europe: Armenia, Azerbaijan, Belarus, Estonia, Georgia, Germany, Kazakhstan, Kyrgystan, Latvia, Lithuania, Moldova, Tajikistan, Turkmenistan, Uzbekistan, Ukraine, Russia
204	*Recilia mica*Kramer; Hemiptera: Cicadellidae; cicadellid leaveshopper	II	*Elaeis guineensis (*kelapa sawit, oilpalm)	tunas, batang, daun		Africa:West Africa, Ivory Coast
205	*Rhagoletis cerasi*L.; (= *Musca cerasi = Rhagoletis cerasi fasciata=R. cerasi nigripes =R. cerasi obsoleta =R. obsoleta =Spilographa cerasi =Tephritis cerasi =Trypeta signata =Urophora cerasorum =Urophora*	II	*Prunus cerrasus* (ceri, cherry), *Prunus avium* (sweet cherry), *Prunus mahaleb* (mahaleb cherry), *Prunus serotina* (black cherry) *Malus domestica (*apel, apple*), Prunus americana* (aprikot, apricot), *Prunus persica*	buah, media tanam, tanah		Asia: Georgia, Iran, Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Czech, Denmark, Estonia, France,

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		lituratа=Zonosema cerasi); Diptera: Tephritidae; Europeancherryfruit fly, cherry fruit fly	(persik, peach), *Pyrus communis* (pir, pear), *Prunus domesticum* (plum), *Lonicera xylosteum* (Fly honeysuckle)		Germany, Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Montenegro, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Serbia, Slovenia, Ukraine
206	*Rhagoletis cingulata*Loew.; (=*Trypeta* (Rhagoletis) *cingulata=Trypeta cingulata*); Diptera: Tephritidae; cherryfruit fly	II	*Prunus avium* (sweet cherry), *Prunus cerrasus* (ceri, cherry), *Prunus serotina* (black cherry), *Pyrus communis* (pir, pear), *Prunus domesticum* (plum) *Malus domesticum* (apel, apple), *Prunus americana* (aprikot, apricot), *Prunus persica* (persik, peach), *Prunus mahaleb* (mahaleb cherry), *Prunus virginiana* (commonchokecherrytree)	buah, media tanam, tanah	America: Canada, Mexico, USA Europe: Austria, Croatia, France, Germany, Hungary, Netherlands, Slovenia, Switzerland
207	*Rhagoletis fausta*Osten Sacken; (=*Acidia fausta* = *Rhagoletisintrudens =Trypeta (Acidia) fausta=T.fausta*); Diptera: Tephritidae; black (dark) cherry fruit fly	II	*Prunus avium* (sweet cherry), *Prunus cerrasus* (ceri, cherry) *Malus domesticum* (apel, apple), *Prunus americana* (aprikot, apricot), *Prunus emarginata* (bitter cherry tree), *Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), *Prunus domesticum* (plum), *Prunus mahaleb* (mahaleb cherry), *Prunus*	buah, media tanam, tanah	America: Canada, USA

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		pensylvanica (pin cherry), *Prunus serotina* (black cherry), *Prunus virginiana* (common chokecherrytree)			
208	*Rhagoletis pomonella*Walsh.; (= *Rhagoletis symphoricarpi* =*Spilographa pomonella* =*Trypetapomonella* =*Zonosema pomonella*); Diptera: Tephritidae; apple maggot fly, railroad worm	II	*Malus domestica (*apel, apple*)* Amelanchier (serviceberries), Aronia (chockeberry), *Cornus florida* (Flowering dogwood), Cotoneaster, *Cotoneaster apiculatus*, *Cotoneaster coriaceus*, *Cotoneaster integerrimus*, Crataegus (hawthorns), *Crataegus crus-galli* (Cockspur hawthorn), *Crataegus douglasii* (black hawthorn), *Crataegus laevigata*, *Crataegus monogyna* (hawthorn), *Crataegus suksdorfii*, Malus (ornamental species apple), *Malus baccata* (siberian crab apple), Prunus (stone fruit), *Prunus americana* (aprikot, apricot), *Prunus angustifolia* (Mountain cherry tree), *Prunus armeniaca* (aprikot, apricot), *Prunus avium* (sweet cherry), *Prunus cerasifera* (myrobalan plum), *Prunus cerrasus* (ceri, cherry), *Prunus domestica* (plam, plum), *Prunus persica* (persik,	buah, media tanam, tanah	America: Canada, Mexico, USA.	

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		peach), *Prunus emarginata* (Bitter cherry tree), *Prunus mahaleb* (mahaleb cherry), *Prunus salicina* (Japanese plum), *Prunus virginiana* (common chokecherrytree), *Pyracantha coccinea* (Scarlet firethorn), *Pyrus communis* (pir, pear), *Pyrus pyrifolia* (Oriental pear tree), Rosa (roses), *Rosa rugosa* (rugosa rose), *Rosa virginiana* (Virginia rose), *Sorbus aucuparia* (mountain ash), *Sorbus scopulina*			
209	*Rhynchophorus palmarum*L.; Coleoptera: Curculionidae; boring weevil	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm), *Phoenix dactylifera* (kurma, dates-palm), *Saccharum officinarum* (tebu, sugarcane), *Phoenix canariensis* *Artocarpus communis* (sukun, breadfruit), *Ananas comosus* (nenas, pineapple), *Annona reticulata*, *Carica papaya* (pepaya, pawpaw, papaya), *Citrus* spp.(jeruk, orange), *Mangifera indica* (mangga, mango), *Musa* spp. (pisang, banana), *Persea americana* (avokad, avocado), *Psidium*	batang, daun	America: Argentina, Barbados, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guyana France, Grenada, Guadeloupe, Guatemala, Guyana, Honduras, Martinique, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela	

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			guajava (jambu biji, guava), *Theobroma cacao* (kakao, cocoa)		
210	*Rhynchophorus phoenicis* L.;Coleoptera: Curculionidae; boring weevil	II	*Phoenix* spp, *Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm)	batang, daun, titik tumbuh	Africa: Angola, Benin, Cameroon, DR Congo, Ivory Coast, Ethiopia, Ghana, Kenya, Mozambique, Nigeria, Senegal, Sierra Leone, Somalia, South Africa, Tanzania, Uganda
211	*Sacadodes pyralis*Dyar.; Lepidoptera: Noctuidae; Colombian pink bollworm, pink cotton boll worm, Thurberia bollworm, Trinidad bollworm, South American red bollworm, sugarcane stalk borer, South American bollworm	II	*Gossypium barbadens* (kapas, cotton) *Abelmoschus esculentus* (okra, lady's finger), *Cienfuegosia affinis, Hibiscus sabdariffa*	buah, batang, daun, bunga, tanah	America:Colombia, Costa Rica, El Salvador, Guyana, Nicaragua, Panama,Paraguay,Trinidad and Tobago, Venezuela
212	*Saccharosydne saccharivora*Westwood; (=*Delphax saccharivora* =*Stenocranus saccharivorus*); Hemiptera: Delphacidae; West indian cane fly, West Indian sugarcane leaveshopper	II	*Saccharum officinarum* (tebu, sugarcane)	batang, daun, bunga	America: Antigua and Barbuda, Bahama, Barbados, Caribbean Island, Cuba, Dominica, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Martinique, Puerto Rico, St. Lucia, St. Vincent & Grenadines, Trinidad and Tobago, USA, Venezuela
213	*Sahlbergella singularis*Hagl.; (=*Sahlbergella theobroma*);	II	*Theobroma cacao* (kakao, cocoa), *Cola nitida*(bitter cola) *Bombax buonopozense*(silk-	batang, daun, buah	Africa: Angola, Benin, Cameroon, Central Africa, DR Congo, Congo, Ivory Coast,

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	Heteroptera: Miridae; mirids, brown capsid, cocoa capsid, cocoa capsidstem sapper		cotton tree), *Ceiba pentandra* (kapuk randu, kapok), *Cola* spp., *Gossypium barbadens* (kapas, cotton), *Theobroma* spp., *Theobroma bicolor* (nicaraguan cocoa), *Theobroma grandiflorum* (cupuassu)		Equatorial Guinea, Ghana, Madagascar, Nigeria, Sao Tome & Principe, Sierra Leone, Togo, Uganda
214	*Scolytus rugulosus*Muller; (=*Eccoptogaster mediterraneus* =*E. rugulosus* =*Scolytus mediterraneus* =*Rugulоscolytus mediterraneus* =*R. rugulosus*); Coleoptera: Scolytidae;shoot hole borer, apple tree beetle, fruit tree bark beetle, shot-hole borer	II	*Malus domesticum* (apel, apple), *Prunus cerrasus* (ceri, cherry), *Prunus persica* (persik, peach), *Pyrus communis* (pir, pear), *Prunus domesticum* (plam, plum), other stone fruit (buah batu lainnya)	batang, daun, buah	Africa: Algeria, Egypt, Libya, Morocco,Tunisia America: Argentina, Brazil, Canada, Chile, Peru, USA, Uruguay Asia: Afghanistan, Georgia, Iran, Iraq, Israel, Lebanon, Pakistan, Saudi Arabia, Syria, Turkey, Turkmenistan Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Malta, Moldova, Montenegro, Macedonia, Netherlands, Norway, Poland, Portugal, Russia, Russia, Serbia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK

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215	*Sesamia calamistis* Hamps.; (=*Sesamia mediastriga*, *Sesamia vuteria*); Lepidoptera: Noctuidae; African pink stem borer, African pink borer of sugarcane, Mauritius pink borer of sugarcane, pink stalk borer of sugarcane, southern pink borer of sugarcane	II	*Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum), *Pennisetum glaucum*(pearl millet), *Triticum aestivum* (gandum, wheat), *Oryza sativa* (padi, paddy), *Saccharum officinarum* (tebu, sugarcane), cerealia. Carex (sedges), *Cyperus papyrus*, Poaceae (grasses)	batang, daun	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Comoros, DR Congo, Congo, Ivory Coast, Eritrea, Ethiopia, Gambia, Ghana, Kenya,Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Reunion, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe
216	*Sesamia cretica*Lederer; (=*Sesamia cretica rufescens=S.cymaea* =*S.griselda* =*S.pecki* =S.*uniformis* =S.*vuteria vuterioides*); Lepidoptera: Noctuidae;corn stem borer, greater sugarcane borer, *Sorghum bicolor* (sorgum, sorghum) stem borer, stem corn borer, durra stem borer, corn pink borer, large corn borer, pink sugarcane borer, sugarcane pink borer, sorghum borer	II	*Oryza sativa* (padi, paddy), *Pennisetum glaucum*(pearl millet), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn) *Panicum miliaceum* (millet), Poaceae (grasses)	batang, daun	Africa: Algeria, Cameroon, Chad, Egypt, Eritrea, Ethiopia, Kenya, Lesotho, Libya, Mali, Morocco, Niger, Nigeria, Somalia, Sudan, Togo, Tunisia Asia: China, India, Iran, Iraq, Israel, Jordan, Kyrgyzstan, Lebanon, Pakistan, Saudi Arabia, Sri Lanka, Syria, Tajikistan, Thailand, Turkey, Uzbekistan, Yemen Europe: Albania, Bulgaria, Bosnia and Herzegovina, Croatia, France, Greece, Italy, Macedonia, Montenegro, Portugal, Russia, Slovenia, Spain, Serbia

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217	*Sirex noctilio* Fabricius; Hymenoptera: Siricidae; woodwasp, steel blue, horntail, european woodwasp, sirex wasp, wood wasp, steel-blue	II	*Pinus banksiana* (jack pine), *Pinus canariensis* (Canary pine), *Pinus contorta* (lodgepole pine), *Pinus densiflora* (Japanese umbrella pine), *Pinus echinata* (shortleaves pine), *Pinus elliottii* (slash pine), *Pinus halepensis* (Aleppo pine), *Pinus jeffreyi* (Jeffrey pine), *Pinus nigra* (black pine), *Pinus palustris* (longleaves pine), *Pinus patula* (Mexican weeping pine), *Pinusspinaster* (maritime pine), *Pinuspinea* (stone pine), *Pinus ponderosa* (ponderosa pine), *Pinus radiata* (radiata pine), *Pinus taeda* (loblolly pine), *Abies* (firs), *Abies alba* (silver fir), *Larix* (larches), *Picea abies* (spruces), *Picea abies* (common spruce), *Pinus sylvestris* (Scots pine), *Pseudotsuga*(douglas-fir)	batang, kayu	Africa: South Africa America: Canada, USA, Argentina, Brazil, Chile, Uruguay Asia: Georgia (Republic), Mongolia Europe: Austria, Belgium, Canary Islands, Cyprus, Czech Republic and Slovakia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Norway, Poland, Portugal, Romania, Russia, Siberia, Serbia and Montenegro, Serbia, Spain, UK Oceania: Australia, New Zealand
218	*Sitophilus granarius*L.; (=*Calandra granaria* =*Calendra granaria* =*Curculio granarius*); Coleoptera: Dryophthoridae; grain weevil, maize weevil,	II	*Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley), stored products (dried stored products) *Arachys hypogaea* (kacang tanah, peanut), *Avena sativa*(oat, oats), *Cicer*	biji	Africa: Algeria, Cameroon, Egypt, Morocco, South Africa, Swaziland America: Argentina, Canada, Chile, Mexico, USA Asia: Afghanistan, India, Iran, Iraq, Israel, Japan,

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	granary weevil		*arietinum*(chickpea), *Helianthus annuus* (bunga matahari, sunflower), *Oryza sativa* (padi, paddy), *Panicum* spp. (milets), *Pennisetum* spp. (feather grass), *Secale cereale* (rye), *Sorghum bicolor* (sorgum, sorghum), *Triticale* spp., *Vicia faba* (faba or broad bean), *Zea mays* (jagung, corn)		Kazakhstan, Malaysia, Saudi Arabia, Sri Lanka, Syria, Thailand, Turkey, Yemen Europe:Austria, Belgium, Bosnia and Herzegovina, Croatia,Czech, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Poland, Romania, Russia, Serbia, Slovenia, Spain, Sweden, Ukraine, UK Oceania: Australia
219	*Sophronica ventralis* Auriv.; Coleoptera: Scolytidae; berry borer	II	*Coffea* spp. (kopi, coffee)	batang, daun, biji, buah	Africa America: Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana
220	*Stenoma decora* Zeller;(=*Cryptolechia decora* Zeller); Lepidoptera: Oecophoridae; cacao fruit and shoot borer, shoot and pod borer	II	*Theobroma cacao* (kakao, cocoa) *Ceiba pentandra* (kapuk randu, kapok)	daun, buah	America: Brazil
221	*Stromatium barbatum* Fabriciius;Coleoptera: Cerambycidae; Drywood longicorn beetle	II	Citrus, Eucalyptus, Oak, pines	batang, kayu	Africa: Tanzania, Madagascar, Mauritius Asia: India, Sri Lanka, Burma, Pakistan, Nepal
222	*Tagosodes cubanus* D.L.Crawford; (=*Chloriona*	II	*Vigna* spp. (buncis, cowpea), *Glycine max* (kedelai, soyabean), *Oryza sativa* (padi,	batang, daun,	Africa: Ivory Coast America: Colombia, Cuba, Guyana, Mexico, Puerto Rico,

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	cubana=Dicranotropis cubanus =Sogatella cubana =Sogatodes cubanus=Sogata cubana); Hemiptera: Delphacidae; paddy plant hopper		paddy) *Vigna radiata* (kacang hijau, mungbean), *Cicer aeritinum*, *Lens esculenta* (lentils)		Suriname, Trinidad and Tobago, USA, Venezuela
223	*Tagosodes orizicolus*Muir; (=*Chloriona orizicola =Sogata brazilensis=Sogata orizicola =Tagosodes brazilensis =Sogatodes brazilensis =S. orizicolus =S.oryzicola =S. orizicola =S. orizicolus*); Hemiptera: Delphacidae; rice delphacid, rice leaveshopper	II	*Oryza sativa* (padi, paddy)	batang, daun	America:Argentina, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, El Salvador, Guatemala, Guyana, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela
224	*Toxotrypana curvicauda* Gerstaecker; (=*Mikimyia furcifera =Toxotrypana fairbatesi*); Diptera: Tephritidae, papaya fruit fly	II	*Carica papaya* (papaya, pawpaw, papaya)	buah, media tanam, tanah	America: Bahama, Belize, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Mexico, Netherlands Antilles, Nicaragua, Panama, Puerto Rico, St. Kitts & Nevis, Trinidad and Tobago, USA, Virgin Islands, Venezuela.
225	*Trichispa sericea* Guerin-Meneville; Coleoptera: Chrysomelidae; rice hispids	II	*Oryza sativa* (padi, paddy)	batang, daun	Africa: Angola, Burkina Faso, Burundi, Cameroon, Congo, Ethiopia, Kenya, Madagascar, Mali, Nigeria, Rwanda, Senegal, South Africa, Sudan, Swaziland, Tanzania, Togo,

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					Uganda Europe: Spain
226	*Trogoderma granarium* Everts; (=*Trogoderma affrum=Trogoderma khapra*); Coleoptera: Dermestidae; kumbang kaphra/khapra beetle	II	*Arachys hypogaea* (kacang tanah, peanut), *Gossypium hirsutum* (kapas, cotton), *Hordeum vulgare*(barley), *Oryza sativa* (padi, paddy), *Panicum miliaceum* (millet), *Sesamum indicum* (wijen, sesame), *Sorghum bicolor* (sorgum, sorghum), stored products (dried stored products), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn) dan serealia lainnya	biji, karung goni/alat pembungkus bekas komoditi, makanan ternak	Africa: Algeria, Burkina Faso, Egypt, Libya, Mali, Mauritania, Morocco, Niger, Nigeria, Senegal, Somalia, Sudan, Tunisia, Zambia, Zanzibar, Zimbabwe. Asia: Afghanistan, Bangladesh, India, Iran, Iraq, Israel, Republic of Korea (South Korea), Lebanon, Myanmar, Pakistan, Saudi Arabia, Sri Lanka, Syria, Taiwan, Turkey, Yemen. Europe: Cyprus, Spain, Switzerland, Ukraine, Kazakhstan, Belarus, Uzbekistan, Azerbaijan, Lithuania, Turkmenistan, Latvia, Estonia, Georgia, Armenia, Tajikistan, Kyrgyzstan, Moldova
227	*Tryphocaria mastersi* Pascoe; Coleoptera: Cerambycidae ; Eucalypt ring barber	II	*Cicer arietinum* (chickpea), *Helianthus annuus* (bunga matahari, sunflower), *Pennisetum glaucum* (pearl millet), *Vicia faba* (faba bean), *Vigna unguiculata*(cowpea) *Acacia* spp.	batang, kayu, kulit kayu	Oceania: Australia
228	*Undulambia polystichalis*; Lepidoptera: Crambidae;Leatherleaves	II	Leather Leaves Fern, *Rumohra adiantiformis*, *Polypodium scouleri*, *Pyrrosia eleagnifolia*	rimpang	America: USA

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	fern borer moth					
229	*Xestobiumrufovillosum* De Geer;Coleoptera: Anobiidae; deathwatch beetle	II	Quercus (oak), Castanea (chestnut), other hardwood	batang, kayu	America: NorthAmerica Europe: England, France, wholeEurope Oceania: Australia	
230	*Xyleborus affinis* Eichoff; (=*Xyleborus mascarensis* Eichhoff=*Xyleborus sacchari* Hopkins); Coleoptera: Scolytidae;shot-hole borer of sugarcane, ambrosia beetle of oak	II	*Saccharum officinarum* (tebu, sugarcane) *Juglans nigra* (black walnut), *Macadamia integrifolia* (macadamia nut), *Pinus* (pines)	batang, kayu, kulit kayu	America: Brazil, Cuba, USA, Mexico, Jamaica Europe: Italy	
231	*Xyleborus ferrugineus*Fab.; (=*Xyleborus confusus=X.fuscatus);* Coleoptera: Scolytidae; black twig borer, bark beetle	II	Dioscorea spp. (gembili, yam), *Euterpe edulis*(assai palm), *Persea americana* (avokad, avocado), *Pinus elliottii*(slash pine), *Pinus taeda* (loblolly pine)	batang, kayu, kulit kayu	Africa: Angola, Benin, Botswana, Burundi, Cameroon, Cape Verde, DR Congo, Ivory Coast, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Madagascar, Mali, Mozambique, Namibia, Nigeria, Rwanda, Reunion, Sao Tome & Principe, Senegal, Sierra Leon, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe. America: Argentina, Barbados, Belize, Bolivia, Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, French Guiana, Grenada, Guadeloupe,	

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					Guatemala, Guyana, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Vincent and the Grenadines, Paraguay, Peru, Uruguay, Suriname,Trinidad and Tobago, USA, Venezuela. Asia:Republic of Korea (South Korea), Malaysia Oceania: American Samoa, Fiji, France Polynesian, Kiribati, Micronesia, Northern Mariana Island, Papua New Guinea, Samoa, Solomon Islands
232	*Xyloborinus saxesenii* Batzeburg; Coleoptera: Scolytidae; Fruit tree pinhole borer	II	*Eucalyptus* spp.	bibit tanaman, batang, kayu, kulit kayu	Asia: China, India, Armenia, Azerbeijan Europe: all
233	*Zonocerus elegans* (Thunb.); (=*Acrydium sanguinolentum* =*Gryllus elegans* =*Poekilocerus roseipennis);* Orthoptera: Pyrgomorphidae; elegants grasshopper	II	*Allium ascalonicum* (bawang merah, shallot), *Allium cepa* (bawang bombay, onion), *Amaranthus hybridus* (bayam, spinach), Amaranthus (grain amaranth), *Ananas comosus* (nenas, pineapple), *Anacardium occidentale*(jambu mete, cashew-nut), Brassicaceae (cruciferous crops),*Citrus* spp. (jeruk, orange), *Citrus aurantiifolia* (jeruk nipis,	seluruh bagian tanaman, tanah	Africa: Angola, Botswana, DR Congo, Congo, Lesotho, Madagascar, Malawi, Mozambique, Namibia, Rwanda, South Africa, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe

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		lime), *Citrus limon* (lemon, lemon), *Citrus reticulata* (mandarin, mandarin), *Citrus sinensis* (navel orange), *Coffea* spp. (kopi, coffee), *Colocasia esculenta* (talas, taro), Cucurbitaceae (cucurbits), *Chromolaenaodorata*(siam weed), *Daucus carota* (wortel, carrot), *Dioscorea* sp. (gembili, yam), *Ipomoea batatas* (ubi jalar, sweet potato), *Musa* spp. (pisang, banana), *Plumeria* spp. (frangipani), *Manihot esculenta* (ubi kayu, cassava), *Nicotiana tabacum* (tembakau, tobacco), Solanaceae, *Helianthus annuus* (bunga matahari, sunflower), *Persea americana* (avokad, avocado)		
234	*Zonocerus variegatus* L.; (=*Acrydium sanguinolentum*=*Gryllus (Locusta) variegatus*=*G. laevis* =*G. opacus*); Orthoptera: Acrididae; variegated grasshopper	II	*Allium ascalonicum* (bawang merah, shallot), *Allium cepa* (bawang bombay, onion), Amaranthus (grain amaranth), *Amaranthus hybridus* (bayam, spinach), *Ananas comosus* (nenas, pineapple), *Anacardium occidentale* (jambu mete, cashewnut), Brassicaceae (cruciferous crops),*Capsicum*	seluruh bagian tanaman, tanah	Africa: Angola, Benin, Burkina Faso, Cameroon, Central Africa, Chad, DR Congo, Congo, Ivory Coast, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Kenya, Liberia, Malawi, Mali, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Togo

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		annuum (cabai, hot pepper, chilies, red pepper), *Citrus* spp.(jeruk, orange), *Citrus aurantiifolia* (jeruk nipis, lime), *Citrus limon* (lemon, lemon), *Citrus reticulata* (mandarin, mandarin), *Citrus sinensis* (navel orange), *Coffea* spp. (kopi, coffee), *Colocasia esculenta* (talas, taro), Cucurbitaceae (cucurbits), *Chromolaenaodorata*(siam weed), *Daucus carota* (wortel, carrot), *Dioscorea* sp. (gembili, yam), *Gossypium barbadens* (kapas, cotton), *Helianthus annuus* (bunga matahari, sunflower), *Ipomoea batatas* (ubi jalar, sweet potato), *Musa* spp. (pisang, banana), *Manihot esculenta* (ubi kayu, cassava), Poaceae, Solanaceae, *Nicotiana tabacum* (tembakau, tobacco), Piper, Plumeria (frangipani) *Cannabis sativa* (hemp), *Elaeis guineensis* (kelapa sawit, oilpalm), *Mangifera indica* (mangga, mango), *Persea americana* (avokad, avocado), *Tectona grandis* (jati, teakwood)		

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235	*Zygogramma exclamationis*Fab.; (=*Caligrapha exclamationis* =*Zygospila exclamationis* =*Chrysomela exclamationis*); Coleoptera: Chrysomelidae; sunflower beetle	II	*Helianthus annuus* (bunga matahari, sunflower)	batang, daun, tanah, bunga		America: Canada, USA

II. TUNGAU (*MITES*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG / *HOSTS*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR / *GEOGRAPHICAL DISTRIBUTION*
1.	*Aceria cajani* Channabasavanna; Prostigmata: Eriophydae; pigeonpea mite	II	*Cajanus cajan* (kacang gude, pigeon pea), *Cajanus cajanifolius*, *Cajanus platycarpus*, *Cajanus scarabaeoides* (kacang gude, peanut grass), *Cajanus sericeus*	bagian tanaman di atas tanah	Asia:Bangladesh, China, India, Myanmar, Nepal, Thailand
2.	*Aceria ficus* Cotte; (=*Aceria fici* =*Eriophyes fici* =*E.ficus*); Prostigmata: Eriophyidae; fig blister mite, fig mite, fig rust mite	II	*Ficus carica* (ara, fig)	bagian tanaman di atas tanah	Asia: Japan, India Africa: all America: North America Eropa: all
3.	*Aculops lycopersici* Tryon.; (=*Aculops destructor* =*Aculus destructor*	II	*Solanum lycopersicum* (tomat, tomato), *Ipomoea batatas* (ubi jalar, sweet potato), *Nicotiana*	bagian tanaman di atas tanah	Africa: Angola, Egypt, Ethiopia, Kenya, Libya, Mauritius, Morocco,, Mozambique,

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		=*A. lycopersici* =*Phyllocoptes destructor* =*P. lycopersici* =*Vasates destructor* =*V. lycopersici*); Prostigmata: Eriophyidae; tomato russet mite, tomato mite	*tabacum* (tembakau, tobacco), *Solanum melongena* (terung, eggplant), *Solanum tuberosum* (kentang, potato) *Capsicum annuum*(cabai besar, paprika, bell-pepper), *Browallia americana*, Convolvulus, *Datura* spp., *Petunia hybrida*, *Physalis peruviana*, *Solanum* spp., *Convolvulus arvensis*, *Physalis minima*		Senegal, South Africa, Tunisia, Zambia, Zimbabwe America: Antigua and Barbuda, Argentina, Bermuda, Brazil, Canada, Cuba, Curaçao, Guyana France, Grenada, Guadeloupe, Martinique, Mexico, Montserrat, Netherlands Antilles, Trinidad and Tobago, USA, Uruguay, Venezuela Asia:Armenia, Azerbaijan, China, Iran, Iraq, Israel, Jordan, Republic of Korea, Lebanon, Saudi Arabia, Sri Lanka, Syria, Turkey, Uzbekistan Europe: Bulgaria, Croatia, Cyprus, France, Georgia, Greece, Italy, Malta, Moldova, Netherlands, Portugal, Russia, Spain, Swedia, Ukraina, UK Oceania: Australia, Fiji, New Caledonia, New Zealand, Vanuatu
4.	*Aculops pelekassi* Keifer; (=*Aculus pelekassi*); Prostigmata: Eriophyidae; pink citrus rust mite	II	*Citrus* spp. (jeruk, orange)	bagian tanaman di atas tanah	America: USA, Brazil Asia: Republic of Korea (South Korea), Taiwan, Thailand Europe: Italy, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia

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5.	*Aculus schlechtendali* Nalepa; (=*Aculus malivagrans=Phyllocoptes schlechtendali =Vasates malivagrans =Vasates schlechten-dali);* Prostigmata: Eriophyidae; apple rust mite, apple bud mite, apple leaf mite, rusty leaf mite	II	*Malus domestica* (apel, apple) *Pyrus communis* (pir, pear), *Malus sylvestris* (crab-apple tree)	bagian tanaman di atas tanah	Africa: Egypt, South Africa America:Canada, USA, Chile Asia: China, India, Japan, Lebanon, Pakistan, Turkey Europe: Austria, Belgium, Bulgaria, Denmark, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Russia, Swedia, Switzerland, Ukraina, UK Oceania: New Zealand, Australia
6.	*Brevipalpus californicus* Bank.; (=*Brevipalpus australis =B.browningi =B.conflusis =B. woglumi =Hystripalpus californicus =Tenuipalpus australis =T.californicus =T.vitis);* Prostigmata: Tenuipalpidae;citrus flat mite, red flat mite, scarlet mite of tea, bunch mite	II	*Camellia sinensis* (teh, tea), *Citrus* spp. *Abelmoschus esculentus* (okra, lady's finger), *Citharexylum quadrangulare*, *Cymbidium*, Cucurbita, Dendrobium, *Ipomoea batatas* (ubi jalar, sweetpotato), *Musa* spp. (pisang, banana), *Vigna sinensis* (buncis, common bean), Phalaenopsis, *Psidium guajava* (jambu biji, guava), *Pittosporum*, *Rhododendron*, *Robinia*, *Schinus terebinthifolius*, *Sesbania sesban*, *Tetragonia*	bagian tanaman di atas tanah	Africa: Algeria, Angola, Congo, Egypt, Libya, Mauritania, Mozambique, Senegal, South Africa, Zimbabwe America: Brazil, Costa Rica, Cuba, Guyana France, Guyana, Honduras, Mexico, USA Asia: Georgia, India, Israel, Japan, Malaysia, Mauritania, Nepal, Philippines, Sri Lanka, Tajikistan, Thailand Europe: Cyprus, Greece, Hungary, Italy, Portugal, Russia Oceania: Australia, Guam, New

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			tetragonioides, *Vitis vinifera* (anggur, grapevine), *Chenopodium ambrosioides*, *Cinnamomum burmanii* (kayu manis, cassiavera), *Lablab purpureus*, *Solanum* spp.		Zealand, Papua New Guinea
7.	*Bryobia rubriocuhus*Scheuten; (=*Bryobia arborea*, *B.redikorzevi*); Prostigmata: Tetranychidae; brown apple mite, brown mite; brown, bryobia mite, pear bryobia mites	II	*Malus domestica* (apel, apple), *Prunus avium*, *Prunus domestica*, *Prunus dulcis*, *Prunus persica* (persik, peach), *Prunus* spp., *Pyrus communis* (pir, pear), *Pyrus javonica* (Japonica), *Ulmus* sp. (elm) *Arachis hypogaea* (kacang tanah, groundnut, peanut), *Gossypium barbadens* (kapas, cotton), *Prunus salicina*	bagian tanaman di atas tanah	Africa: Mozambique, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia:Afghanistan, Azerbaijan,China, Georgia, India, Iran, Iraq, Japan,Kazakhstan, Kyrgyzstan, Lebanon, Turkey, Uzbekistan Europe: Austria, Belgium, Bulgaria, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Moldova, Netherlands, Poland, Portugal, Romania, Russia, Spain, Switzerland, Ukraina, UK Oceania: Australia, New Zealand.
8.	*Eotetranychus willamettei* McGregor; (=*Tetranychus willamettei* =*Tetranychus willamettii*; Prostigmata: Tetranychidae; willamette mite	II	*Vitis vinifera* (anggur, grapevine), *Acernegundo*, *Quercusgarryana*, *Quercuslobata*, *Eriogonumjamesi*, *Amelanchier*sp.,	bagian tanaman di atas tanah	America: USA

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		Malusdomestica (apel, apple), *Purshiatridentata*, *Pyruscommunis* (pir, pear), *Sorbusdomestica*, *Ulmus*sp. (elm)			
9.	*Mononychellus tanajoa* Bondar: (=*Mononychellus caribbeanae* =*Mononychus tanajoa* =*Eotetranychus caribbeanae* =*E.caribbeanus* = *Tetranychus tanajoa*); Prostigmata: Tetranychidae; cassava mite, cassava green mite	II	*Solanum lycopersicum* (tomat, tomato), *Manihot esculenta* (ubi kayu, cassava) *Phaseolus vulgaris* (buncis, common bean), *Vigna sinensis* (kacang panjang, cowpea), *Zea mays* (jagung, corn, maize)	bagian tanaman di atas tanah	Africa: Benin, Burkina Faso, Burundi, Cameroon, Central Africa, Chad, Congo, Ivory Coast, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mozambique, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Antigua and Barbuda, Argentina, Bolivia, Brazil, Chile, Colombia, Dominica, Ekuador, Falklands, Guyana France, Guyana, Mexico, Paraguay, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: China Oceania: Australia, Micronesia, Northern Mariana Islands

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10.	*Oligonychus peruvianus* McGregor: (=*Homonychus peruvianus* = *Paratetranychus peruvianus* =*Paratetranychus trinitatis* =*Tetranychus peruvianus*(Mc Gregor) =*Tetranychus peruvensis* =*Tetranychus trinitatis*); Prostigmata: Tetranychidae;cassava white spot spider mite	II	*Manihot esculenta* (ubi kayu, cassava) *Ceratonia siliqua*, *Citrusaurantium*, *Coffea arabica* (kopi, coffee), *Daucus carota* (wortel, carrot), *Gossypium*, *Persea americana* (avokad, avocado), *Trifolium repens*, *Vitis*, *Oxalis* sp.	bagian tanaman di atas tanah	America:Brazil, Colombia, Ecuador, Guatemala, Mexico, Peru, Trinidad and Tobago, Venezuela
11.	*Oligonychus yothersi* McGregor; Prostigmata: Tetranychidae; avocado red mite	II	*Coffea* spp. (kopi, coffee), *Mangifera indica* (mangga, mango), *Persea americana* (Avokad, avocado)	tanaman dan bagian tanaman di atas tanah	America: Chile, Costa Rica, Cuba, USA Asia: Iran
12.	*Panonychus ulmi* Koch; (=*Paratetranychus ulmi* Koch = *Metatetranychus ulmi* Koch=*Tetranychus pilosus* Canestrini et Fanzago = *Tetranychus mytilaspidis* Ewing); Prostigmata: Tetranychidae; european red spider mite	II	*Malus domestica* (apel, apple), *Pyrus communis* (pir, pear), *Prunus persica*(persik, peach), *Prunus domesticum* (plum), *Prunus cerasus* (sour ceri). *Arachis hypogaea* (kacang tanah, groundnut), *Cedrus* (cedars), Citrus, *Citrus deliciosa* (jeruk mediterranean mandarin), *Citrus reticulata* (jeruk mandarin), Coffea (kopi, coffee), Corylus, Gossypium (kapas, cotton), *Morus alba* (murbei, mulberry), *Prunus avium*	daun, bagian tanaman	Africa: Algeria, Egypt, Libya, Morocco, South Africa, Tunisia, America: Argentina, Bermuda, Brazil, Canada, Chile, Costa Rica, USA, Uruguay, Venezuela Asia: Afghanistan, Armenia, Azerbaijan, China, Georgia (Republic), India, Iran, Israel, Japan, Republic of Korea (South Korea), Kyrgyzstan, Lebanon, Syria, Turkey, Tajikistan, Uzbekistan. Europe: Albania, Austria, Belarus, Belgium, Bulgaria, Czech Republic, Croatia,

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		(sweet cherry), *Prunus dulcis* (almond), *Vitis vinifera* (anggur, grapevine)			Bosnia and Herzegovina, Hungary, Ireland, Italy, Latvia, Lithuania, Denmark, Finland, Montenegro, Macedonia, France, Germany, Greece, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovenia, Spain, Swedia, Switzerland, Ukraina, UK.
					Oceania: Australia, New Zealand
13.	*Penthaleus major* Duges; (=*Tetranychus major* Dugès); Prostigmata: Tetranychidae; blue oat mite, winter grain mite	II	*Avena sativa* (oats), *Hordeum vulgare* (barli, barley), *Triticum aestivum* (gandum, wheat), *Bouteloua gracilis* (blue grama), *Bromus secalinus* (Rye brome),Lathyrus, Lolium, *Lolium multiforum* (italian ryegrass), *Poaceae* (grassess), *Secale cereale* (rye).	biji, daun, bagian tanaman, tanah	Africa: South Africa. America: Argentina, Canada, Mexico, USA Asia: China, Japan Europe: France, Germany, Iceland, Italy, Netherlands, Norway, Portugal, Russia, Spain, UK. Oceania: Australia, New Zealand
14.	*Petrobia latens* (Muller); (=*Acarus latens* = *Acarus petarum* =*Acarus praegnans* =*Paratetranychus longipes* =*Petrobia cepae* =*Petrobia lapidum* =*Petrobia tritici* = *Tetranobia decepta* =*Tetranychia tritici* =*Tetranychopsis paupera* =*Tetranychopsis simplex*	II	*Triticum aestivum* (gandum, wheat), (barli, barley), *Allium sativum* (bawang putih, garlic), *Allium cepa* (bawang bombay, onion), *Cuminum cyminum* (jintan, cumin), *Coriandrum sativum* (ketumbar, corriander), *Oryza sativa* (padi, paddy), *Cucumis sativus* (mentimun,	daun, tanah, bagian tanaman di atas tanah	Africa: Egypt, South Africa America: Canada, USA Asia: China, India, Republic of Korea (South Korea) Europe: Austria, Denmark, France, Germany, Italy, Netherlands, Poland, Spain, United Kingdom Oceania: Australia

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=*Tetranychus anauniensis* =*Tetranychus longipes*= *Trombidium lapidum*);Prostigmata: Tetranychidae; brown wheat mite		cucumber), *Cucumis melo* (melon, melon), *Daucus carota* (wortel, carrot), *Sorghumbicolor*(sorgum, sorghum), Gladiol, Iris, *Malusdomestica* (apel,apple), *Gossypiumbarbadens*(kapas,cotton), *Medicagosativa*(alfalfa,lucerne), Clover			
15. *Phyllocoptes vitis* Nalepa; (= *Phyllocoptes viticolus*); Prostigmata: Eriophydae; grapevine rust mite, acarinosis of vine, vine rust mite	II	*Vitis vinifera* (anggur, grapevine)	daun		Africa: South Africa Asia: India. Europe: Austria, Czech Republic, Slovakia, Germany, Hungary, Italy, Portugal, Slovakia, Slovenia, Oceania: Australia, New Zealand
16. *Phytonemus pallidus* (Banks) (=*Steneotarsonemus fragariae* =*Steneotarsonemus pallidus* =*Tarsonemus destructor* =*Tarsonemus fragariae* =*Tarsonemus pallidus*); Prostigmata:Tarsonemidae; strawberry mite, cyclamen mite	II	*Begonia, Begonia cucullata var. hookeri* (Perpetual begonia), *Capsicum annuum* (cabaibesar, paprika, bell pepper), *Chrysanthemum* (daisy), *Chrysanthemum frutescens, Consolida ambigua, Cyclamen persicum* (cyclamens), *Fragaria* (strawberry), *Rhododendron simsii*	tanaman, bagian tanaman di atas tanah		Africa: South Africa America: Brazil, Canada, Colombia, Costa Rica, Mexico, Peru, USA, Venezuela Asia: Japan, Republic of Korea (South Korea), Philippines, Taiwan, Turkey Europe: Austria, Belgium, Bulgaria, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia, Sweden, Switzerland, Ukraine,

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						United Kingdom Oceania: Australia
17.	*Retracus elaeis* Keifer; Prostigmata: Phytoptidae; oil palm mite	II	*Elaeis guineensis* (kelapa sawit, oilpalm)	daun, biji		America: Costa Rica, Colombia
18.	*Rhizoglyphus echinopus* Fumouze & Robin (=*Coepophagus echinopus* =*Rhizoglyphus hyacinthi* =*Rhizoglyphus spinitarsus* =*Tyroglyphus echincopus*); Astigmata: Acaridae; bulb mite	II	*Allium cepa* (bawang bombay, onion), *Allium sativum* (bawang putih, garlic), *Panax ginseng* (asiatic ginseng)	tanaman, bagian tanaman		America: USA Asia: Taiwan, Japan, Korea, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan Europe: Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Ukraina, Russia, Hungary, Spain Oceania: New Zealand
19.	*Steneotarsonemus laticeps* (Halbert);(=*Tarsonemus approximatus* =*Tarsonemus approximatus narcissi* =*Tarsonemus hydrocephalus* =*Tarsonemus laticeps*); Prostigmata: Tarsonemidae; bulb scale mite	II	Narcissus (daffodil), *Hippeastrum* spp. (amarilis, amaryllis), *Cyrtanthus* spp. (fire lily), *Eucharis* spp. (Amazon lily, eucharist lily), *Sprekelia* spp. (Jacobean lily)	umbi, bagian tanaman di atas tanah		Europe: UK, Netherlands, Poland, Slovakia
20.	*Tarsonemus myceliophagus* Hussey; Prostigmata: Tarsonemidae	II	Mushroom	batang jamur		America: USA Europe:UK, New Zealand, Netherlands, Germany. Oceania: Australia
21.	*Tetranychus pacificus* McGregor;Prostigmata:Tetr	II	*Vitis vinifera* (anggur, grapevine), *Prunus*,	tanaman, bagian		America: Canada, Mexico, USA

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anychidae; Pacific mite, Pacific spider mite		*Gossypium hirsutum*, *Gossypium barbadens* (kapas, cotton), *Cucumis melo* (melon, melon), *Phaseolus vulgaris*(common bean), *Glycine max* (kedelai, soyabean). *Zea mays* (jagung, maize, corn), *Ficus carica* (ara, fig), *Medicago sativa* (alfalfa, flax), *Citrullus lanatus* (semangka, watermelon), *Helianthus annuus* (bunga matahari, sunflower), *Salvia* sp., Morning glory, *Fragaria* (strawberry), *Rosa* (roses), *Rubus* (blackberry, raspberry), *Vicia (vetch.Begonia, Begonia cucullata var. hookeri* (Perpetual begonia), *Capsicum annuum* (cabai besar, paprika, bell pepper), *Chrysanthemum* (daisy), *Chrysanthemum frutescens* (marguerite), *Consolida ambigua* (rocket larkspur), *Cyclamen persicum* (cyclamens), *Rhododendron simsii (Sim's azalea)*	tanaman di atas tanah		
22.	II	*Malus domestica* (apel, apple), *Pyrus communis* (pir, pear), *Prunus domesticum* (plum), *Vitis vinifera* (anggur,	tanaman, bagian tanaman di atas tanah	America: USA Europe: All	
Tetranychus schoenei McGregor; (=*Septanychus schoenei* McGregor); Prostigmata:					

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	Tetranychidae; schoene mite		grapevine), *Gossypium barbadens* (kapas, cotton)			
23.	*Tyrophagus putrescentiae* Schrank(=*Acarus putrescentiae* =*Tyroglyphus americanus* = *Tyroglyphus castellanii*= *Tyroglyphus lintneri* =*Tyroglyphus muscae* =*Tyroglyphus nadinus* =*Tyroglyphus putrescentiae* =*Tyrophagus braumi* =*Tyrophagus bulleri* =*Tyrophagus castellanii* =*Tyrophagus lintneri* =*Tyrophagus longior* var. *castellanii* =*Tyrophagus noxius*);Astigmata: Acaridae; cereal mite, cheese mite, copra itch mite, forage mite, mill mite, mold mite, mould mite	II	*Cucumis sativus* (mentimun, cucumber),	daun, bunga, komoditas simpan, jamur, debu, polen, tanah, moss, kotoran dan sarang berbagai hewan	Africa:Angola, Egypt, Kenya, Zimbabwe. America:Barbados, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Guatemala, Peru, Panama, Mexico, USA,Venezuela Asia:Bangladesh, China, India, Iraq, Israel, Japan, Republic of Korea, Kuwait, Malaysia, Nepal, Philippines, Singapore, Taiwan, Turkey Europe:Belgium, CzechRepublic and Slovakia, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Poland, Scandinavia, Slovakia, Spain, Spain, Sweden, Switzerland, United Kingdom, Yugoslavia	

III. KEONG (*SNAIL*) DAN SIPUT (*SLUG*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN / *GROUP*	INANG / *HOSTS*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR / *GEOGRAPHICAL DISTRIBUTION*
1.	*Achatinacraventi*Smith; Achatinidae; Giant African	II	*Coffea*spp.(kopi, coffee), *Sesamumindicum*(wijen,	bibit	Africa: Zanzibar, Lake Tanganyika,Mozambique

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	snail		sesame), tanamanhias(perdu)		
2.	*Achatinazanzibarica*Bourg; Giant African snail, Giant land snail	II	*Gossypiumbarbadens*(kapas, cotton), *Agave sisalana* (sisal), tanamanhias(perdu)	bibit	Africa: all
3.	*Ariolimax columbianus* Gould; *Pacific banana slug*	II	*Musa*spp.(pisang, banana), garden plant and flowers	daun, sisa tanaman, bibit, tanaman	America: USA, North America
4.	*Arioncircumscriptus*Johnston; (=*Arion bourguignati*); Arionidae; Brownbanded arion, white soled slug	II	*Nicotianatabacum*(tembakau, tobacco), *Daucuscarota*(wortel, carrot), *Fragariavesca*(arbei, strawberry), *Solanum tuberosum*(kentang, potato), tanamanjagung(plantofcorn), *Apiumgraveolens*(seledri, celery), *Hordeum vulgare* (barli, barley), rape, poppy,rye	bibit, umbi	America: North America, USA Europe: Czech Republic, Great Britain, Ireland, Scandinavia
5.	*Arionintermedius*Normand; Arionidae; Hedgehog arion, Hedgehog slug	II	*Daucuscarota*(wortel, carrot), *Solanumtuberosum*(kentang, potato), *Apiumgraveolens*(seledri, celery), tulip, *Zea mays* L (Jagung, corn), *Triticum* spp. (gandum, wheat), Ornamental plants	bibit, umbi	America: USA, Canada, Hawaii Asia: Sri Lanka Europe: Western and Central Europe Oceania: New Zealand
6.	*Arionrufus*L.; (=*Limax rufus* =*Arion ater* =*Arion empiricorum*); Arionidae;	II	*Nicotianatabacum*(tembakau, tobacco), *Solanumtuberosum*(kentang,	biji, bibit, tanaman	America: USA, Canada Europe: Western and Sothern Europe

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	Chocolate arion, European red slug		potato), *Triticum aestivum* (gandum, wheat), medicinalherbs, poppy, rape, *Hordeum vulgare* (barli, barley), rye, *Fragaria ananassa* (stroberi, strawberry), *Helianthus annuus* (bunga matahari, sunflower), *Brassica oleracea* (kubis, cabbage), *Petroselinum crispum* (peterseli, parsley)		
7.	*Arionsubfuscus*Drap; (=*Limax subfuscus =Arion krynickii =Arion brunneus =Arion esthonicus);* Arionidae; Dusky arion	II	*Solanumtuberosum*(kentang, potato), *Daucuscarota*(wortel, carrot), *Apiumgraveolens*(seledri, celery), *Fragaria ananassa*(stroberi, strawberry), *Solanum lycopersicum* (tomat, tomato)	biji, umbi, daun, batang, bunga, buah	America:USA, Canada Europe: UK (Britain, East Anglia)
8.	*Bradybaenafruticum*Muller; Bradybaenidae; brush snail, bush snail	II	*Vitisvinifera*(anggur, grapevine), polong-polongan (legumes), tananmanhias (anggrek, tananman berdaun/puring), *Apium graveolens*(seledri, celery)	bibit	Africa: all Asia: all Europe: all
9.	*Cecilioidesacicula*Muller; Ferussaciidae; blind snail, blind awlsnail	II	*Asparagusoffinalis* (asparagus, asparagus), *Apiumgraveolens* (seledri, celery)	bibit	Africa: South Africa America: Argentina, Bermuda, Barbadaos, Hawaii, USA Europe: Canary Island, Great Britain, Ireland,

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					Netherlands, Sweden, Spain, Czech Republic, Poland, Slovakia, Ukraine Oceania: New Zealand, Australia
10.	*Derocerasagreste*L.;(=*Limaxagrestis* =*Agriolimax agrestis* =*Agrolimax fedschenkoi* =*Agrolimax transcaucasicus coecigen*); Agriolimacidae; Field slug, grey field slug, milky slug	II	*Fragariavesca*(arbei, strawberry), sayuran (vegetables), *Solanum tuberosum*(kentang, potato), *Daucuscarota*(wortel, carrot), Brassicaceae, *Trifolium*sp, *Cynarascolymus*(Artichoke), *Lactuca sativa* (selada, lettuce)	bibit, umbi, akar, tanaman	America: all Asia:all Europe:North Europe, Central Europe (Scandinavia, Russia Oceania: Australia
11.	*Discusrotundatus*Muller;(=*Helix rotundatus*); Discidae;Rotund disc	II	Orchidaceae	tanaman, bagian tanaman	America:USA, Canada Europe:Southern Scandinavia, Northern Scotland to Algeria, Spain, Ireland, Ukraine, Turkey, Denmark, Norway
12.	*Drymaeusdormani*Binney:Bulimulidae; Manatee Treesnail	II	*Citrus*spp.(jeruk, orange)	bibit	America: all
13.	*Geomalacusmaculosus*Allman; Arionidae; Kerry slug, Kerry spotted slug	II	*Betavulgaris*var.saccharifera (Bitgula, sugarbeet)	bibit	Europe, Ireland, Spain, Portugal, France
14.	*Helixaspersa*Muller; (=*Cornu aspersum* =*Cantareus asperses* =*Cryptomphalus aspersus*); Helicidae; Brown garden snail, common snail, garden snail	II	*Actinidiachinensis*(kiwi, Chinesegoosberry), *Beta vulgaris*(bit, beetroot), *Brassica*sp, Citrus, Capsicum, *Fragariaananassa*	bibit, daun, akar, batang, biji, kayu, kulit kayu, umbi, bunga, buah	Africa:Algeria, Egypt, Gambia, Lesotho, Lybia, Mauritius, Morocco, Portugal, Reunion, SaintHelena, Seychelles, South Africa, Tunisia,

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		(strawberry), *Lactuca sativa*(selada, lettuce), *Lycopersicumesculentum* (tomat, tomato), *Persea americana*(avokad, avocado), *Phaseolusvulgaris*, (common bean), *Pyrus communis*(pir, pear), *Ribes nigrum* (blackcurrant), *Zeamays*(jagung, corn, maize), *Alliumcepa*(bawangbombai, onion), *Brassicaoleraceaevar.* capitata(kubis, cabbage), Polyphagous, *Prunus armeniaca* (aprikot, apricot) *Alcea* sp., *Allium* spp. (onion, garlic, leek, etc), *Alnus* sp. (alders), Alyssum sp. (alison), *Avena sativa* (oat), *Calibrachoa* sp., *Consolida* sp., *Coriandrum sativum* (coriander), *Dahlia* sp, Delphiniumsp. (larkspur), *Dianthus* sp (carnation), *Hedera helix* (ivy), *Hordeum vulgare* (barley), Poaceae, *Coriandrum sativum*(ketumbar, coriander) *Humulusłupulus*(hop), *Iberis*		Zimbabwe, Spain America:Argentina, Brazil, Canada, Chile, Ecuador, FrenchGuiana, Haiti, Mexico, Peru, USAUruguay, Guadeloupe, Martinique, Colombia, Guyana, Venezuela. Asia:China, Israel, Lebanon, Philippines, Saudi Arabia, Syria, Turkey, Thailand, Uzbekistan Europe:Albania, Andorra, Austria, Belarus, Belgium, Bosnia-Hercegovina, Bulgaria, Croatia, Cyprus, Canary Island, Denmark, Estonia, France, Germany, Greece, Gibraltar, Hungary, Ireland, Italy, Liechtenstein, Luxembourg, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Russian Federation, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland, UK, Ukraine, Yugoslavia Oceania: Fiji, French Polynesia, New Caledonia, Australia, NewZealand, Nonfolk Is Helliland,

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		sp. (candytuft), *Laburnum anagyroides* (common laburnum), *Lathyrus odoratus* (sweet pea), *Lilium*sp. (lily), *Malus domestica* (apple), *Medicago lupulina* (black medick), *Nasturtium* (watercress), *Opuntia ficus-indica* (pricky pear), *Penstemon* sp., *Petunia* sp., *Pisum sativum* (pea), *Primula sieboldii*, *Ranunculus repens* (creeping buttercarp), *Raphanus sativus* (radish), *Rubus fruticosus* (blackberry), *Yucca* sp., *Zinnia* sp., *Nasturtium officinale*(seladaair, watercress), *Rosmarinus officinalis*(rosemary), *Rosa* sp., *Thymus vulgaris*(thyme), *Helianthus annuus*(bunga matahari, sunflower), *Trifolium alexandrium* (egyptian clover), *Vitis vinifera*(anggur, grapevine), strawberry, *Citrus*spp.(jeruk, orange), *Triticum aestivum*(gandum, wheat)		Pitcairn Island, Samoa
15.	*Helixpomatia*L.; Helicidae; Roman snail, edible snail,		*Nicotianatabacum*(tembakau, tobacco),	bibit	America:Canada Europe: Denmark,

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	vineyard snail, burgundy snail		*Vitisvinifera*(anggur, grapevine), *Triticum aestivum*(gandum, wheat), dansayuran (vegetables)		Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Germany, Italy, Sweden, Switzerland, Austria, Czech Republic, Poland, Slovakia, Hungary, Romania, Bulgaria, Slovenia, Croatia, Bosnia & Herzegovina, Serbia, Republic of Macedonia, Great Britain, Belgium, Netherlands, France, Norway, Finland, Ukraine, Portugal, Greece
16.	*Helixrufescens*Pennant; Helicidae; reddish snail	II	*Fragariavesca* (arbei, strawberry)	bibit	America: all
17.	*Lanistesovum*Trosch; (=*Lanistes connollyi* =*Lanistes elator* =*Lanistes innesi* =*Lanistes procerus*); Ampullariidae; freshwater snail	II	*Oryzasativa*(padi, paddy)	tanaman	Africa: Botswana, Congo, Chad, Ghana, Cameroon, Gambia, Angola, Namibia, Niger, Nigeria, Tanzania, Mozambique, Zimbabwe, South Africa
18.	*Lehmaniavalentiana*Ferussac; Limacidae; terrestrial pulmonate gastropod mollusk	II	Orchidaceae(anggrek, orchid), *Solanumtuberosum*(kentang, potato), sayuran (vegetables)	bibit, umbi, akar	Africa: South Africa America: USA, Canada, Chile, Peru, Colombia. Asia: China, Japan

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					Europe: Andora, Austria, Azores, Balearis Island, Belgium, Britain Island, Canary Island, Corsica, Czech Republic, Danish Mainland, French Mainland, Gibraltar, Hungary, Ireland, Italian Island, Lithuania, Madeira, Malta, Poland, Portuguese, Romania, Russia, Spanish Mainland, Sweden, The Netherland. Oceania: Australia, New Zealand
19.	*Limaxcinereoniger*Wolf; (=*Limax antiquorum*); Limacidae; Ash-grey slug, black keel-slug	II		*Solanumtuberosum*(kentang, potato), *Apiumgraveolens*(seledri, celery), *Daucuscarota*(wortel, carrot), tanaman hias (anggrek, anthurium, tanaman berdaunlainnya)	biji, umbi
20.	*Limaxmaximus*L; (=*Limax maculatus* =*Limax cellarius* =*Limax cinereus* =*Limacella parma* =*Limax antiquorum*); Limacidae; Giant garden slug, Great slug, Tiger slug, Spotted leopard slug	II		*Solanumtuberosum*(kentang, potato), *Apiumgraveolens*(seledri, celery), *Cucumis sativus*(ketimun, cucumber), *Lycopersicumesculentum*(tomat, tomato), *Daucuscarota*(wortel, carrot), *Brassica oleraceae*var.capitata(kubis,	biji, umbi	America:USA, Hawaii Europe:Italy, Norway Oceania: New Zealand

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			cabbage), *Cucurbitamoschata*(labu, pumpkin), tananamhias (anggrek, anthurium, tanaman berdaunlainnya), jamur (mushroom)		
21.	*Marisacornuarietis*L.; Ampullariidae; Giant ramshorn snail, apple snail	II	*Oryzasativa*(padi, paddy).	tanaman.	Africa: all America: USA, Hawaii, Karibia
22.	*Milaxbudapestensis*Hazay; Milacidae; budapest slug, keeled slug, subterranean slug	II	*Solanumtuberosum*(kentang, potato), *Daucuscarota*(wortel, carrot), sayuran, akarsayuran, *Triticum aestivum*(gandum, wheat), rape, poppy, rye, *Hordeum vulgare* (barli, barley), *Apium graveolens*(seledri, celery), *Helianthusannuus*(bunga matahari, sunflower)	biji, umbi	Europe: all
23.	*Milaxgagates*Draparnaud; (=*Limax gagtes* =*Limax fulginosus* =*Milax antipodarum* =*Limax pectinatus* =*Milax hewstoni* =*Milax emarginata* =*Milax tasmanicus* =*Milax nigricolus* =*Amalia antipodarum* var. *palida* =*Amalia parryi* =*Amalia baborij*; Milacidae; Greenhouse slug, Keeled slug	II	*Solanumtuberosum*(kentang, potato), *Daucuscarota*(wortel, carrot), *Brassicaoleraceavar.* capitata(kubis, cabbage), *Fragariavesca*(arbei, strawberry), *Cynara scolimus*(*Artichoke*), *Glycine max* (kedelai, soyabean), *Helianthusannuus*(bunga matahari, sunflower), (oilseed rape)	biji, umbi, bibit, akar, batang	Africa:all America: USA Asia: Japan, Sri Lanka Europe: Britain, Mediterranean region Oceania: New Zealand, Australia

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24.	*Milaxsowerbyi*Pandonia sowerbyi; sowerby's slug, bulb-eating slug	II	*Solanumtuberosum*(kentang, potato), *Apiumgraveolens*(seledri, celery), *Daucus carota*(wortel, carrot)	biji, umbi	Europe: all
25.	*Otalalacteа*Muller; Helicidae; Milk snail, Milky snail	II	*Alliumsativum*(bawangputih, garlic), *Apiumgraveolens*(seledri, celery), *Brassicaoleraceavar. botrytis*(kembang kol, cauliflower),*Brassicaoleracea capitata*(kubis,cabbage), *Brassicaoleraceavar. italica*(b rokoli, broccoli), Brassicaceae, Citrus, *Caricapapaya*(pepaya,papay a), *Lactuca sativa*(selada, lettuce), *Pimpinella anisum* (anise), lily, yucca,	biji, umbi	Africa: NorthAfrica America:Bermuda,Argentin a, Bolivia, Brazil, Colombia, Chile, Venezuela, DominicanRepublic, Ecuador, Paraguay, Peru, Uruguay, FrenchGuiana, USA, Cuba, Jamaica Europe:Netherlands, Spain Oceania: Australia
26.	*Oxychilusceallarius*Muller; Zonitidae; Cellar glass snail	II	Orchidaceae (Anggrek, orchid), legumes, *Cucumissativus*(ketimun, cucumber), *Cucurbita moschata*(labu, pumpkin), *Citrulluslanatus*(semangka, watermelon), *Cucumismelo*(melon, melon)	batang, akar, buah	Africa: North Africa America: USA, Canada Asia:all Europe: all Oceania: New Zealand
27.	*Oxychilusdraparnaudi*Beck; Zonitidae; Dark bodied glass snail	II	Orchidaceae(Anggrek, orchid), legumes, *Cucumissativus*(ketimun, cucumber), *Cucurbita moschata*(labu, pumpkin)	batang, akar, buah	Europe: all

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28.	*Pilaglobosa*(Swainson); common freshwater gastropod	II	*Oryzasativa*(padi, paddy), tanamanair	bibit, sisa tanaman	Asia:Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, DominicanRepublic, Ecuador, Paraguay, Peru, Uruguay, FrenchGuiana
29.	*Thebapisana*Muller; (=*Helix pisana*); Helicidae; White garden snail, mediteranean sandsnail, sandhill snail, white snail	II	*Vitis vinifera (anggur, grape), Citrus*spp.(jeruk, orange), *Brassicaoleraceae*capitata (kubis, cabbage), *Lycopersicumesculentum*(tomat, tomato), legumes (kacang-kacangan), *Medicago sativa* (alfalfa), ornamental plant, *Triticum aestivum* (gandum, wheat),*Hordeumvulgare*(barli ,barley),*Daucus carota* (wortel, carrot)	biji, bibit	Africa: South Africa, Somaliland America: USA, Atlantic Island, Bermuda, Canary Island Asia: Iran Europe: Western France, England, Wales, Ireland Oceania:Australia
30.	*Vaginulahedley*Simroth; Veronicellidae; Vaginula slugs	II	*Nicotianatabacum*(tembakau, tobacco), *Ipomoeabatatas*(ubi jalar, sweetpotato), *Coffea* spp. (kopi, coffee), *Medicago sativa* (alfalfa, lucerne)	biji	America: all

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IV. NEMATODA (*NEMATODES*)

NO	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Anguina agrostis* (Steinbuch) Filipjev; (=*Anguillula agrostidis* =*A.agrostis* =*A.phalaridis* =*Anguillulina agrostis* =*A.phalaridis* =*Anguina fumesta* =*A.loliі* =*A.phalaridis* =*A.poophila* =*Tylenchus agrostidis* =*T.agrostis* =*T.phalaridis* =*T.phlei* =*Vibrio agrostis* =*Vibrio phalaridis*); Anguinidae; rye grass nematode, bentgrass nematode, grass seed eelworm nematode, grass seed eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Agrostis canina*(velvet bentgrass), *Agrostis exarata*(spike bentgrass), *Agrostis stolonifera* var. *Palustris*(creeping bentgrass), *Agrostis capillaris*(colonial bentgrass), *Bromus erectus*(erect brome), *Dactylis glomerata*(orchardgrass), *Festuca ovina*(sheep fescue), *Festuca nigrescens*(red fescue), *Lolium rigidum*(wimmera ryegrass), *Phleum pratense*(timothy), *Phleum boehmeri*, *Phleum phleoides*(boehmer's cat's-tail), *Poa alpina*(alpine bluegrass), *Poa annua*(annual bluegrass), *Poa pratensis*(kentucky bluegrass), *Trisetum flavescens*(yellow oatgrass)	tunas, daun, biji, batang/rant ing, akar, bunga, stolon, tanah	Africa: South Africa America: Canada, USA Asia: China, Kyrgyzstan Europe: Czech, Estonia, Finland, Germany, Ireland, Netherlands, Norway, Poland, Russia, Slovakia, Sweden, Ukraine, UK Oceania:Australia, New Zealand.

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2.	*Anguina tritici* (Steinbuch) Chitwood; (=*Anguillula tritici* =*Anguillulina tritici* =*Rhabditis tritici* =*Tylenchus scandens* =*T.tritici* =*Vibrio tritici*); Anguinidae; wheat nematode, wheatgall nematode, eelworm disease, earcockles, bunted wheat, hard smut, cockle wheat, purples	I: jika MP tidak diproses. II: jika MP diproses	*Secale cereale* (rye), *Triticum aestivum* (gandum, wheat), *Triticum dicoccum, Triticum spelta* *Avena sativa* (oat, oats), *Hordeum vulgare* (barli, barley), *Triticum turgidum*	tunas, bunga, daun, batang, ranting, biji, tanah	Africa: Egypt, Ethiopia America:USA, Brazil, Canada Asia: China, Iran, India, Syria, Iraq, Israel, Afghanistan, Azerbaijan, South Korea, Pakistan, Saudi Arabia, Turkey Europe: Austria, Bulgaria, Croatia, Cyprus, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Netherlands, Poland, Romania, Russia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand.	
3.	*Aphasmatylenchus straturatus* Germani; Hoplolaimidae; ground nut chlorosis nematode	I: jika MP tidak diproses. II: jika MP diproses	*Arachys hypogaea* (kacang tanah, peanut). *Cajanus cajan* (kacang gude, pigeon pea), *Glycine max* (kedelai, soyabean), *Vigna cylindrical* (kacang tunggak, long bean), *Voandzeia subterranea*(bambara groundnut)	akar, polong, tanah	Africa: Burkina Faso	

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4.	*Aphelenchoides arachidis* Bos.; Aphelenchoididae; groundnut testa nematode, peanut testa nematode	I: jika MP tidak diproses. II: jika MP diproses	*Arachys hypogaea* (kacang tanah, peanut) *Oryza sativa* (padi, paddy, rice), *Pennisetum glaucum*(pearl millet), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Zea mays* (jagung, corn)	tunas, polong, akar, biji, tanah	Africa: Nigeria, Cameroon, Egypt
5.	*Aphelenchoides ritzemabosi* (Schwartz) Steiner & Buhrer; (=*Aphelenchoides ribes* =*Aphelenchus phyllophagus* =*A.ribes* =*A.ritzemabosi* =*Pathoaphelenchus ritzemabosi* =*Pseudaphelenchoides ritzemabosi* =*Tylenchus ribesi*; Aphelenchoididae; bud and leaf nematode, *Chrysant* foliar eelworm, leaf wilt nematode of Chrysant, Chrysant foliar nematode, Blackcurrant nematode	I: jika MP tidak diproses. II: jika MP diproses	*Chrysanthemum morifolium* (krisan, chrysanthemum (florists), Dahlia, *Fragaria vesca* (stroberi, wildstrawberry), *Fragaria ananassa* (stroberi, strawberry) *Asplenium nidus*(bird's nest fern), *Bergenia* spp.(elephant-leaved saxifrage), *Calceolaria* spp.(pouch flower), *Campanula* spp.(campanulas), *Campanula pyramidalis*(chimney bellflower), *Consolida ambigua*(rocket larkspur), *Crassula coccinea*, *Callistephus chinensis*(China aster), *Geranium* spp.(cranesbill), *Helianthus annuus* (bunga	biji, daun, batang, akar, bunga, umbi, kormus, stolon, media tanam, tanah	Africa: South Africa, Mauritius America: Brazil, Chile, Canada, Cuba, Mexico, USA, Venezuela. Asia: China, India, Iran, Japan, Kazakhtans, South Korea, Uzbekistan Europe: Bosnia and Herzegovina, Bulgaria, Croatia, Germany, Hungary,Ireland, Italy, Latvia, Montenegro, Macedonia, Netherlands, Poland, Portugal, Russia, Spain, Switzerland, Serbia, Slovenia, UK, Ukraine, Oceania: New Zealand, Fiji

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		matahari, sunflower), *Hibiscus rosa – sinensis* (kembang sepatu, china-rose), *Helleborus niger*(christmas rose), *Lavandula angustifolia*(lavender), *Lotus corniculatus*, *Lupinus* spp. (lupine), *Lycopersicum esculentum* (tomat, tomato), *Limonium sinuatum* (sea pink), *Lotus corniculatus* (bird's-foot trefoil), Lupinus (lupins), *Medicago sativa* (lucerne), *Mimulus* spp.(monkey-flower), *Nicotiana tabacum* (tembakau, tobacco), *Ocimum basilicum* (kemangi, basil), *Passiflora quadrangularis*(markisa, passionfruit, granadilla), *Peperomia sp.*, *Phaseolus vulgaris* (buncis, common bean), *Philadelphus coronarius* (mock orange), Ranunculus (buttercup), *Rheum hybridum*(rhubarb), *Rhododendron* spp. (azalea), *Rudbeckia* spp. (coneflower), *Salvia splendens*(scarlet sage),			

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			Sinningia speciosa(gloxinia), *St.paulia* spp.(african violet), *St.paulia ionantha*(african violet), *Solanum lycopersicum* (tomat, tomato), *Solanum nigrum*(black nightshade), *Verbena* spp.(vervain), *Viburnum* spp., *Viola* spp. (violet), *Ribes nigrum*(blackcurrant), Veronica (speedwell), *Limonium sinuatum*, *Medicago sativa* (alfalfa, lucerne), *Vigna* spp. (buncis, cowpea), *Zinnia elegans*(zinnia), *Buddleia* spp., *Eleusine coracana*(finger millet),*Ribes uva-crispa* (gooseberry), Rumex (Dock), *Ranunculus* spp., *Sambucus* spp.(elderberry), *Senecio* spp.(groundsel), *Sonchus* spp., *Veronica* spp., *Echium* spp., *Rumex* spp., *Stellaria media*		
6.	*Belonolaimus longicaudatus* Rau; Belonolaimidae; sting nematode	I: jika MP tidak diproses. II: jika MP diproses		*Arachys hypogaea* (kacang tanah, peanut), *Brassica* spp., *Cynodon dactylon*(Bermuda grass), *Citrus sinensis* (jeruk	tanah berpasir, kerikil, akar, bibit	America: Bahama, Bermuda, Costa Rica, Mexico, Puerto Rico, USA. Asia: Pakistan, Saudi Arabia, Turkey

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		manis, navel orange), *Cucumis melo* (melon, melon), *Daucus carota* (wortel, carrot), *Fragaria* spp., (stroberi, strawberry), *Gossypium hirsutum*(kapas, bourbon cotton), *Glycine max* (kedelai, soyabean), *Zea mays* (jagung, corn), Poaceae, *Abelmoschus esculentus* (okra, lady's finger), *Acer* spp.(maples), *Acer pseudoplatanus*(sycamore), *Agrostis stolonifera* var. *palustris*(bent grass), *Allium cepa* (bawang bombay, onion), *Apium graveolens* (seledri, celery), *Baccharis halimifolia* (groundsel-bush), *Beta vulgaris* (bit, beetroot),*Brassica oleracea* (cabbages, cauliflowers), *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica rapa* subsp. *oleifera* (turnip rape)*Capsicum annuum* (cabai, hot pepper, chillies, red pepper), *Casuarina*		

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		equisetifolia(casuarina), *Chrysanthemum* spp.(daisy), *Citrullus lanatus*(semangka, watermelon), *Cucumis sativus* (mentimun, cucumber), *Desmodium tortuosum*(florida beggarweed), *Digitaria decumbens*(pangolagrass), *Digitaria sanguinalis*(large crabgrass), *Diospyros kaki* (kesemek, persimmon),*Eremochloa ophiuroides*(centipedegrass), *Festuca arundinacea*(reed fescue), *Helianthus annuus* (bunga matahari, sunflower), *Hordeum vulgare* (sorgum, sorghum), Ilex (holly), *Ipomoea batatas* (ubi jalar, sweet potato), *Ipomoea purpurea* (Tall morning glory), *Lactuca sativa* (selada, lettuce), *Liquidambar styraciflua*(sweet gum), *Lolium multiflorum*(italian ryegrass), *Lycopersicon esculentum* (tomat, tomato),*Mentha spicata* (Spear mint), *Ocimum basilicum* (kemangi, basil),		

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		Oxalis (wood sorrels), *Paspalum notatum*(bahiagrass), *Pennisetum glaucum*(pearl millet), *Pisum sativum* (kapri, sweet pea), *Pennisetum purpureum* (elephant grass), *Phaseolus vulgaris* (buncis, common bean), *Pinus palustris*(longleaf pine), *Pinus taeda*(loblolly pine), *Pisum sativum* (pea), *Pittosporum tobira*(japanese pittosporum), Poaceae (grasses), *Pharbitis purpurea*, *Rumex crispus*(curled dock), *Saccharum officinarum* (tebu, sugarcane), *Schinus terebinthifolius*(Brazilian pepper tree), *Secale cereale* (rye), *Sesbania exaltata*(coffeebean (USA)), *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (terung, eggplant), *Solanum tuberosum* (kentang, potato), *Sorghum Sudanense*(Sudan grass), *Stenotaphrum*		

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			secundatum(buffalograss), *Trifolium* spp.(clovers), *Triticum aestivum* (gandum, wheat), *turfgrasses, Ulmus parvifolia*(lacebark elm), *Vaccinium corymbosum*(blueberry), *Vigna unguiculata*(cowpea), *Baccharis halimifolia, Vigna* spp. (buncis, cowpea), *Vitis rotundifolia*(Muscadine grape)		
7.	*Bursaphelenchus cocophilus* (Cobb) Baujard; (=*Aphelenchoides cocophilus* =*Aphelenchus cocophilus* =*Rhadinaphelenchus cocophilus* =*Chitinoaphelenchus cocophilus*; Aphelenchoididae; red ring nematode	I: jika MP tidak diproses. II: jika MP diproses	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm) *Phoenix canariensis, Phoenix dactylifera* (kurma, dates-palm), *Sabal palmetto*	tunas, kulit kayu, planlet, batang, daun, akar, kayu, tanah, bibit	America: Belize, Brazil, Colombia, Costa Rica, Ecuador, El Salvador,Guatemala, Guyana, Grenada, Honduras, Mexico, Nicaragua, Panama, Peru, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela, French Guiana
8.	*Bursaphelenchus xylophilus* (Steiner & Buhrer) Nickle; (=*Aphelenchoides xylophilus*	I: jika MP tidak diproses.	*Pinus* spp. *Abies* spp., (fir), *Cedrus deodara* (deodar cedar),	Vektor: Coleoptera, Curculionidae: *Rhynchophorus palmarum, R. cruentatus*	Africa: South Africa America: Canada, Mexico, USA.

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=*Bursaphelenchus lignicolus*); Parasitaphelenchidae; pine wood nematode, pine wilt nematode	II: jika MP diproses	*Cedrus atlantica*, *Chamaecyparis nootkatensis* (alaska cedar), *Picea* spp. (spruce), *Pseudotsuga menziesii* (douglas-fir), *Larix* spp. (larch)	kemasan kayu	Vektor:Coleoptera, Cerambycidae: *Monochamus alternatus*, *M. nitens*	Asia: China, Japan, South Korea, Vietnam, Taiwan Europe: Portugal
9. *Cactodera cacti* (Filipjev & Schuumans Stekhoven) Krall & Krall; (=*Heterodera cacti*); Heteroderidae; cactus cyst nematode, cactus cyst eelworm, cactus root eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Schlumbergera truncata* (christmas cactus), *Epiphyllum* spp., *Epiphyllum ackermannii*, *Echinopsis* spp., *Eryisimum allionii*, *Ferocactus* spp., *Opuntia microdasys*(angel's wings), *Opuntiastricta*(erect prickly pear), *Saccharum officinarum* (tebu, sugarcane), famili cactaceae	akar, batang, tanah		Africa: Algeria America: Argentina, Brazil, Canada, Colombia, Cuba, Mexico, USA, Asia: China, India, Israel, Japan, South Korea, Uzbekistan, Vietnam, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan Europe: Austria, Belgium, Czech, Denmark, Hungary, France, Germany, Italy, Malta, Netherlands, Poland, Rumania, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Ukraina, Russia, Slovakia, Spain, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia

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					and Herzegovina, Montenegro, Macedonia Oceania: Australia.
10.	*Ditylenchus africanus*Wendt *et. al.*;Anguinidae; thepeanut pod nematode, groundnut pod nematode	I: jika MP tidak diproses. II: jika MP diproses	*Arachis hypogaea* (kacang tanah, peanut) *Chenopodium album* (fat hen), *Datura stramonium* (jimsonweed), *Eleusine indica* (goose grass), *Glycine max* (kedelai, soyabean), *Gossypium hirsutum* (Bourbon cotton), *Helianthus annuus* (bunga matahari, sunflower), *Lupinus albus* (white lupine), *Medicago sativa* (alfalfa, lucerne), *Nicotiana tabacum* (tembakau, tobacco), *Phaseolus vulgaris* (buncis, common bean), *Pisum sativum* (kapri, sweet pea), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), *Tagetes minuta* (stinking Roger), *Triticum aestivum* (gandum, wheat), *Vigna unguiculata* (kacang panjang, cowpea), *Xanthium strumarium* (common cocklebur), *Zea mays* (jagung, corn)	biji, polong, akar, umbi, buah	Africa:Mozambieque, South Africa Asia: China

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11.	*Ditylenchus destructor* Thorne; Anguinidae; potato rot nematode, potato tuber nematode, potato eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Allium ascalonicum* (bawang merah, shallot), *Allium sativum* (bawang putih, garlic), *Arachys hypogaea* (kacang tanah, peanut), *Beta vulgaris* (bit, beetroot), *Camellia sinensis* (teh, tea), *Chrysanthemum* spp. (krisan, chrysant), *Citrus sinensis* (jeruk manis, navel orange), *Capsicum annuum* (paprika, bell-pepper), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima* (waluh, labu parang, pumpkin), *Daucus carota* (wortel, carrot),*Dahlia hybrids*, *Fragaria ananassa* (stroberi, strawberry), *Gladiolus hybrids*(sword lily), *Glycine max* (kedelai, soyabean), *Humulus lupulus* (hops), *Irish* spp., *Ipomoea batatas* (ubi jalar, sweet potato), *Lycopersicum esculentum* (tomat, tomato), *Mentha* spp. (mentol, mint), *Panax schinseng* (ginseng), *Solanum tuberosum* (kentang, potato), *Solanum melongena* (terung,	polong, umbi, rimpang, batang, stolon, kormus, akar, planlet, tanah	Africa: South Africa America: Canada, Ecuador, Haiti, Mexico, Peru, USA Asia: Azerbaijan, China, Iran, Japan, Kazakhstan, South Korea, Kyrgyzstan, Pakistan, Saudi Arabia, Tajikistan, Turkey, Uzbekistan, Europe: Albania, Austria, Belarusia, Belgium, Netherlands, Bulgaria, Czech, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Moldova, Norway, Poland, Rumania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand	

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		eggplant), *Trifolium* spp., *Triticum aestivum* (gandum, wheat), *Tulipa* spp., *Zea mays* (jagung, corn)			
12.	*Ditylenchus dipsaci* (Khun.) Filipjev; (=*Aguillulina dipsaci* =*A. Dipsaci* var. *tobaensis* =*Tylenchus dipsaci* =*T. devastator* =*T. devastatrix* = *Anguillula dipsaci* =*A. secalis* = *A. devastatrix*= *Ditylenchus allocotus* =*D. amsinckiae* = *D. fragariae* = *D. sochophila* = *D. trifolii* =*D. dipsaci var. Communis* =*Tylenchus putrefaciens* =*T. havensteinii* = *T. hyacinthi* =*T. Allii*; Anguinidae; nematoda umbi/brown ring disease of hyacinth, stem and bulb nematode, onion bloat, bulb eelworm, ring disease of bulbs	I: jika MP tidak diproses. II: jika MP diproses	*Allium ascalonicum* (bawang merah, shallot), *Allium sativum* (bawang putih, garlic), *Allium cepa* (bawang bombay, onion), *Allium fistulosum* (bawang daun, welch onion), *Allium porrum* (bawang daun, leek), *Avena sativa* (oat, oats), Begonia, *Beta vulgaris* var. *saccharifera* (bit gula, sugarbeet), *Cannabis sativa*(hemp), *Fragaria ananassa* (stroberi, strawberry), *Gladiolus hybrids* (sword lily), *Hyacinthus orientalis* (hyacinth), *Medicago sativa* (alfalfa, lucerne), *Narcissus* (daffodil), *Narcissus pseudonarcissus*, *Nicotiana tabacum* (tembakau, tobacco), *Phlox drummondii* (phlox), *Phlox paniculata* (garden phlox), *Pisum sativum* (kapri, sweet pea), *Secale cereale* (gandum, rye), *Trifolium pratense*	umbi, buah, bunga, daun, bibit, batang, biji, stolon, tanah	Africa: Algeria, Kenya, Morocco, Nigeria, Réunion, South Africa, Tunisia. America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Haiti, Mexico, Paraguay, Peru, USA (Hawaii), Uruguay, Venezuela. Asia: Armenia, Azerbaijan, China, Georgia (Republic), Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, South Korea, Kyrgyzstan, Oman, Pakistan, Syria, Turkey, Uzbekistan, Yemen Europe: Europe (as a whole), Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy,

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		(purple clover), *Trifolium repens* (white clover), *Solanum tuberosum* (kentang, potato), *Tulipa* spp., *Vicia faba* (broad bean), *Zea mays* (jagung, corn). *Allium cepa* var. *aggregatum* (bawang merah, shallot), *Apium graveolens* (seledri, celery), *Abrosia* spp., *Avena* spp., *Agropiron* spp., *Brassica napus* var. *napus* (rape), Bergenia, *Brassica rapa* subsp. *rapa* (turnip), *Carduus acanthoides* (welted thistle), *Croaus sativus* (kuma-kuma, safron, saffron), Cucurbitae, *Chenopodium murale* (nettleleaf goosefoot), *Cirsium arvense* (creeping thistle), *Convolvulus arvensis* (bindweed), *Chrysanthemun* spp., *Cirsium arvense* (creeping thistle), *Dianthus caryophyllus* (anyelir, carnation),*Erigeron* spp.,*Iris* spp., *Ipomoea batatas* (ubi jalar, sweetpotato), *Helianthus annuus* (bunga		Latvia, Lithuania, Macedonia, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia (Central Russia, Russian Far East, Siberia, Southern Russia, Western Siberia), Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK (England and Wales, Scotland), Serbia, Slovenia, Croatia, Montenegro, Macedonia. Oceania: Australia, New Zealand.	

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		matahari, sunflower), *Daucus carota* (wortel, carrot), *Delpinium* spp., Hydrangea (hydrangeas), *Lens culinaris* ssp. *culinaris* (lentil, lentil), *Onobrychis vicifolia* (sainfoin), *Petroselinum crispum* (parsley), *Phaseolus coccineus* (runner bean), *Triticum* (gandum, wheat), Orchidaceae (anggrek, orchids), *Raphanus sativus* (lobak, radish), *Lactucasativa* (selada, lettuce), *Lepidium* spp., *Tagetes* spp., *Trifolium* spp., *Plantago* spp., *Hyacinthes* spp., *Hieracium pilosella* (mouse-ear hawkweed), *Lamium album* (white deadnettle), *Lamium amplexicaule* (henbit deadnettle), *Lamium purpureum* (purple deadnettel), *Myriophyllum verticillatum* (whorled watermilfoil), *Nerine sarniensis* (guernsey lily), *Ranunculus arvensis* (Corn buttercup), *Raphanus raphanistrum* (wild radish),			

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		Stellaria media (common chickweed), *Taraxacum officinale complex* (dandelion)			
13.	*Globodera tabacum*(Lownsbery & Lownsbery) Skarbilovich; (=*Globodera tabacum* =*Heterodera tabacum*); Heteroderidae; tobacco cyst nematode	I: jika MP tidak diproses. II: jika MP diproses	*Nicotiana tabacum* (tembakau, tobacco), *Nicotiana rustica* (wild tobacco), *Lycopersicum esculentum* (tomat, tomato) *Solanum melongena* (terung, eggplant), *Solanum nigrum*(black nightshade), *Solanum gilo*(gilo), *Solanum indicum*, *Solanum mauritianum*(tree tobacco), *Solanum quitoense*(Narangillo), *Solanum tuberosum* (kentang, potato)	akar, umbi, tanah	Africa: Madagascar, Morocco America: Argentina, Canada, Colombia, Mexico, USA. Asia: China, Japan, South Korea, Pakistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan Europe:Bulgaria, Spain, Armenia, Azerbaijan, Belarus, Estonis, Georgia, Latvia, Lithuania, Moldova, Ukraine, France, Greece, Italy, Rusia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
14.	*Hemicycliophora arenaria* Raski; Criconematidae; sheath nematode	I: jika MP tidak diproses. II: jika MP diproses	*Citrus limonia* (mandarin lime), *Citrus aurantiifolia* (jeruk nipis, lime), *Citrus reticulate* (jeruk mandarin, mandarin), *Lycopersicum esculentum* (tomat, tomato), *Cucurbita maxima* (waluh, labu parang, pumpkin) *Apium graveolens* (selederi,	akar, bibit, tanah	America: Argentina, Brazil, USA. Oceania: Australian

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			celery), *Citrus limettioides* (palestine sweet lime), *Citrus macrophylla*(alemow), *Citrus taiwanica*(nanshodaidai), *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), *Capsicum frustecens* (chili), *Libocedrus Chilensis*(Chilean cedar), *Saccharum officinarum* (tebu, sugarcane), *Vigna unguiculata* (kacang panjang, cowpea), *Vigna cylindrical* (kacang tunggak, long bean), *Vitis vinifera* (anggur, grapevine)		
15.	*Heterodera avenae* Wollenweber; (=*Bidera avenae* =*B.ustinovi* =*Heterodera major* =*H. schachtii maior* =*H.schachtii* var. *avenae* =*H. ustinovi*; Heteroderidae; oat cyst nematode, cereal cyst nematode, cereal cyst eelworm, oat root eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Avena sativa* (oat, oats), *Hordeum vulgare* (barli, barley), *Secale cereale* (rye), *Triticale* spp., *Triticum aestivum* (gandum, wheat) Poaceae(grasses), *Zea mays* (jagung, corn)	bibit, akar, tanah	Africa: Algeria, Libya, Morocco, South Africa, Tunisia America: Canada, Peru, USA Asia: China, India, Iran, Israel, Japan, Kazakstan, Pakistan, Saudi Arabia, Turkey Europe: Belgium, Bosnia and Herzegovina, Bulgaria, Croatia,Czech, Denmark, Estonia, France, Germany, Greece, Ireland, Italy, Latvia, Montenegro,

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					Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Serbia, Slovenia, Ukraine, UK Oceania: Australia, New Zealand.
16.	*Heterodera carotae* Jones; Heteroderidae; carrot cyst nematode, carrot root eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Daucus carota* (wortel, carrot), *Olea europaea* subsp. *europaea* (olive)	umbi, akar, tanah	America: USA Europe:Armenia, Azerbaijan, Belarus, Estonia, France, Germany, Georgia, Poland, Portugal, Italy, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Latvia, UK, Ukraine, Uzbekistan, Kazakhstan, Kyrgyzstan, Switzerland
17.	*Heterodera cruciferae* Franklin; Heteroderidae; crucifer cyst nematode	I: jika MP tidak diproses. II: jika MP diproses	*Brassica napus* var. *napobrassica* (swede), *Brassica napus* var. *napus* (rape), Cruciferae, *Raphanus sativus* (lobak, radish) *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Brassica oleracea* var. *capitata* (kubis, cabbage)	akar, tanah	Asia: Pakistan. Europe: All Oceania: Australia

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18.	*Heterodera goettingiana* Liebscher; (= *Heterodera göttingiana)*; Heteroderidae; pea cyst nematode, pea cyst eelworm, pea root eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Pisum sativum* (kapri, sweet pea), *Vicia faba*(kacang babi, broadbean) *Cicer arietinum*(kacang arab, chickpea), *Glycine max* (kedelai, soyabean), *Lathyrus cicera* (flat-podded vetchling), *Lathyrus odoratus* (sweet pea),*Lathyrus sativus* (grasspea), *Lens esculenttum* (lentil, lentil), *Lens culinaris* subsp. *culinaris* (lentil), *Lupinus albus* (white lupine), *Lupinus luteus* (yellow lupin), *Medicago sativa* (alfalfa, lucerne), Vicia (vetch), *Vicia benghalensis* (purple vetch), *Vicia calcarata*, *Vicia cracca* (Tufted vetch), *Vicia ervilia* (Bitter vetch)	bibit, akar, tanah	Africa: Algeria America: USA. Asia: China, Israel, Iran, Jordan, Japan, Turkey, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan Europe: Belgium, Bulgaria, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Ukraine, Russia, France, Germany, Italy, Malta, Poland, Portugal, Spain, UK
19.	*Heterodera oryzicola* Rao & Jayaprakash; Heteroderidae; rice cyst nematoda, paddy cyst nematode	I: jika MP tidak diproses. II: jika MP diproses	*Oryza sativa* (padi, rice, paddy) *Brachiara decumbens*(signal grass), *Urochloa decumbens* (signal grass), *Musa paradisiaca*(pisang, plantain), *Cynodon dactylon*(bermuda grass)	akar, bonggol, bibit, tanah	Africa: Ivory Coast Asia: India.

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20.	*Heterodera sacchari*Luc.& Merny.; Heteroderidae; sugarcane cyst nematode	I: jika MP tidak diproses. II: jika MP diproses	*Oryza sativa* (padi, rice, paddy), *Zea mays* (jagung, corn), *Saccharum officinarum* (tebu, sugarcane), *Nicotiana tabacum* (tembakau, tobacco) *Axonopus compressus* (carpet grass), *Cynodon dactylon* (Bermuda grass), *Echinochloa colona* (junglerice), *Eleusine indica* (goose grass), *Psapalum conjugatum* (sour paspalum), *Saccharum spontaneum* (wild sugarcane), *Urochloa brizantha* (palisadegrass)	akar, tanah	Africa: Benin, Burkina Faso, Chad, Congo, Ivory Coast, Gambia, Ghana, Liberia, Nigeria, Senegal. Asia: India, Pakistan, Thailand
21.	*Heterodera schachtii* Schmidt; (=*Heterobolbus schachtii* =*Heterodera schachtii minor=Tylenchus schachtii*); Heteroderidae; sugarbeet nematode, beet cyst eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Alliaria petiolata*(garlic mustard), *Alyssum argentium, Amaranthus* spp., *Apium dulce, Arabis rusticana*(horseradish), *Atriplex* spp., *Aubrieta* spp.(rainbow rock-cress), *Aubrieta columnae, Alyssum argentium, Beta* spp., *Brassica* spp., *Dianthus* spp., *Gypsophila acutifolia, Gypsophila elegans*(baby's breath), *Phaseolus vulgaris*	akar, bibit, batang, umbi, tanah	Africa: Algeria, Cape Verde, Gambia, Libya, Morocco, Senegal, South Africa, Tunisia, America: Chile, Canada, Mexico, Peru, USA, Uruguay Asia: Azerbaijan, China, Iran, Iraq, Israel, Jordan, Kazakstan, Kyrgyzstan, Pakistan, Syria, Turkey Europe: Albania, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia,

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		(buncis, common bean), *Phytolacca acinosa*, *Pisum sativum* (kapri, sweet pea), *Polygonum* spp., *Polygonum convolvulus*(black bindweed), *Portulaca oleracea* (purslane), *Oryza sativa* (padi, rice, paddy), *Thlaspi arvense*, *Raphanus maritimus*, *Raphanus raphanistrum*(wild radish), *Raphanus sativus* (lobak, radish), *Rheum hybridum*(rhubarb), *Rorippa amphibia*(great yellowcress), *Rorippa islandica*(yellow marshcress), *Rumex* spp., *Saponaria ocymoides*(rock soapwort), *Saponaria officinalis*(soapwort), *Sesbania macrocarpa*, *Sesbania exaltata*(coffeebean (USA)), *Silene armeria*(garden catchfly), *Silene maritima*, *Silene nutans*(nottingham catchfly (UK)), *Silene quadrifida*, *Silene saxifraga*, *Sinapis arvensis*, *Sinapis eruca*, *Sisymbrium austriacum*, *Sisymbrium* spp., *Solanum*		Hungary, Finland, Serbia, Slovenia, Bosnia and Herzegovina, Ireland, Italy, Latvia, Moldova Montenegro, Macedonia, France, Germany, Greece, Netherlands, Poland, Portugal, Rumania, Russia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand	

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		sarrachoides(green nightshade (UK)), *Spinacia glabra, Spinacia oleracea*(spinach),*Tetragonia tetragonioides*(New Zealand spinach), *Thlaspi arvense* (field pennycress), *Tropaeolum perigrinum, Vaccaria hispanica*(bladder soapwort), *Vicia benghalensis*(purple vetch), *Vigna* spp. (buncis, cowpea), *Vigna catjang* Chenopodium (goosefoot), *Stellaria media* (common chickweed)	akar, umbi, tanah		
22.	*Heterodera trifolii* Goffart; Heteroderidae; clover cyst nematode, clover cyst eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Dianthus caryophyllus* (anyelir, carnation) Poaceae (grasses), *Beta vulgaris* var. *saccharifera* (bit gula, sugar beet), *Solanum tuberosum* (kentang, potato), *Trifolium* spp. (clovers), *Trifolium pratense*(purple clover), *Trifolium repens*(white clover), Leguminosae	akar, umbi, tanah	Africa: Tunisia America: Canada, USA, Argentina, Chile, Colombia Asia: India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan Europe: Belgium, Bulgaria, Denmark, Armenia, Azerbaijan, Belarus, Estonis, Georgia, Latvia, Lithuania, Moldova, France, Germany, Italy, Netherlands, Poland, Russia, Slovenia, Spain,

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					Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand.
23.	*Heterodera vigni* Edward & Mura; (=*Heterodera cajani*); Heteroderidae; pigeonpea cyst nematode, cowpea cyst nematode	I: jika MP tidak diproses. II: jika MP diproses	*Vigna sinensis* (kacang panjang, cowpea), *Cajanus cajan* (kacang gude, pigeon pea), *Cyamopsis tetragonoloba*(guar bean), *Lablab purpureus*(banner bean), *Vigna aconitifolia*(mat Bean), *Vigna radiata* (kacang hijau, mungbean), *Vigna mungo*, *Vigna* spp. (buncis, cowpea), *Pisum sativum* (kapri, sweet pea), *Phaseolus vulgaris* (buncis, common bean), *Sesamum indicum* (wijen, sesame), *Vigna cylindrica* (kacang tunggak, long bean) *Crotalaria juncea*(cascavelle), *Sesbania cannabina*(sesbania)	akar, tanah	Africa: Egypt. Asia: India, Pakistan
24.	*Heterodera zeae* Koshy, Swarup & Sethi; Heteroderidae; corn/maize cyst nematode	I: jika MP tidak diproses. II: jika MP diproses	*Zea mays* (jagung, corn) *Avena sativa* (oat, oats), *Hordeum vulgare* (barli, barley), *Oryza sativa* (padi, rice, paddy), *Setaria italyca*(foxtail millet), *Sorghum Sudanense*(Sudan grass), *Sorghum bicolor*	akar, bibit, tanah	Africa: Egypt America: USA Asia:Afghanistan, India, Pakistan, Nepal, Thailand Europe: Greece, Portugal

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			(sorgum, sorghum), *Triticum aestivum* (gandum, wheat), *Zea mays* subsp. *mexicana* (teosinte), Poaceae			
25.	*Hirschmanniella miticausa* Bridge Mortimer & Jackson; Pratylenchidae; miti miti disease	I: jika MP tidak diproses. II: jika MP diproses	*Colocasia esculenta* (talas, taro)	umbi, bibit, akar, tanah	Oceania: Papua New Guinea, Solomon Islands	
26.	*Hirschmanniella spinicaudata* (Schuurmans Steekhoven) Luc & Goodey; (=*Hirschmania spinicaudata* =*Radopholus lawbri* =*Tylenchorhynchus spinicaudatus*); Pratylenchidae; rice root tip nematode, root lesion nematode	I: jika MP tidak diproses. II: jika MP diproses	*Oryza sativa* (padi, rice, paddy), *Saccharum officinarum* (tebu, sugarcane) *Fimbristylis dichotoma*(tall fringe rush), Cyperaceae (sedges), *Oryza longistaminata* (perennial wild rice), Poaceae (grasses), *Juncus*(rushes), *Typha*(reedmace)	umbi, bibit, planlet, akar, tanah	Africa: Benin, Burkina Faso, Cameroon, Congo, Ivory Coast, Gambia, Ghana, Nigeria, Senegal, South Africa, Togo, Zambia America: Brazil, Costa Rica, Cuba, USA, Venezuela Asia: China, Pakistan	
27.	*Hoplolaimus columbus* Sher.; (=*Hoplolaimus colombuson* =*Basirolaimus colombus*); Hoplolaimidae; Coltuber/Columbia lance nematode	I: jika MP tidak diproses. II: jika MP diproses	*Cyperus esculentus*(yellow nutsedge), *Glycine max* (kedelai, soyabean), *Gossypium barbadens* (kapas, cotton), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn)	akar, tanah.	Africa: Egypt America: USA, Trinidad and Tobago. Asia: India, Pakistan	

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28.	*Hoplolaimus galeatus* (Cobb) Filipjev & Schuurmans Stekh; Hoplolaimidae: lance nematode	I: jika MP tidak diproses. II: jika MP diproses	*Diospyros kaki* (kesemek, persimmon) *Arachis hypogea* (kacang tanah, peanut), *Brassica oleraceae* var. *capitata* (kubis, cabbage), *Bambusa* (bambu, bamboo), *Borrichia frutescens* (sea-oxeye), *Citrus sinensis* (jeruk manis, navel orange), *Glycine max* (kedelai, soyabean), *Gossypium* (kapas, cotton), *Poa annua* (annual meadowgrass), *Poaceae* (grasses), *Musa* (pisang, banana), *Malus domestica* (apel, apple), *Medicago sativa* (alfalfa, lucerne), *Sansevieria trifasciata* (snake plant), *Stenotaphrum secundatum* (buffalograss), *Trifolium* spp. (clovers), *Zea mays* (jagung, corn)	akar, tanah	America: USA, Canada Asia: Pakistan
29.	*Hoplolaimus indicus* Sher.; (=*Basirolaimus arachidis* =*Basirolaimus indicus* =*Hoplolaimus arachidis*); Hoplolaimidae; lance nematode	I: jika MP tidak diproses. II: jika MP diproses	*Oryza sativa* (padi, rice, paddy) *Abelmoschus moschatus* (okra, lady's finger), *Arachys hypogaea* (kacang tanah, peanut), *Basella* spp., *Brassica oleracea botrytis* (bunga kol,	akar, umbi, tanah	Asia: Bangladesh, China, India, Iran, Pakistan.

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		cauliflower), *Brassica oleracea capitata* (kubis, cabbage), *Cajanus cajan* (kacang gude, pigeon pea), *Chrysanthemum* spp. (krisan, chrysant), *Citrus jambhiri*(rough lemon), *Cyamopsis tetragonoloba*(guar bean), *Capsicum annuum* (paprika, bell-pepper), *Capsicum annuum* (cabai rawit, hot pepper, chilies, red pepper), *Cucumis sativus* (mentimun, cucumber), *Eleusine coracana*(finger millet), *Gossypium barbadens* (kapas, cotton), *Ipomoea batatas* (ubi jalar, Sweet potato), *Lycopersicum esculentum* (tomat, tomato), *Mangifera indica* (mangga, mango), *Musa* spp. (pisang, banana), *Pennisetum glaucum*(pearl millet), *Vigna radiata* (kacang hijau, mungbean), *Vigna mungo*(black gram), *Pisum sativum* (kapri, sweet pea), *Poncirus trifoliata*(hardy orange), *Prunus persica* (persik, peach), *Psidium*			

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			spp., (guava)*Raphanus sativus* (lobak, radish), *Solanum melongena* (terung, eggplant), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), *Trifolium alexandrinum*(egyptian clover), *Triticum aestivum* (gandum, wheat), *Vigna cylindrica* (kacang tunggak, long bean), *Zea mays* (jagung, corn), *Senna siamea*(siamese cassia), *Pinus roxburghii, Saccharum officinarum* (tebu, sugarcane)		
30.	*Hoplolaimus pararobustus* (Schuurmans stekhoven & Teunissen) Sher. In Coomans; (=*Gottholdsteineria pararobusta =Hoplolaimus angustulatus =H.capensis =H.casparus =H. kittenbergeri =H.pararobustus =Rotylenchus pararobustus =Tylenchorhynchus pararobustus*); Hoplolaimidae; lance nematode	I: jika MP tidak diproses. II: jika MP diproses	*Musa* spp. (pisang, banana) *Coffea* spp. (kopi, coffee), *Camellia sinensis* (teh, tea), *Psidium guajava* (jambu biji, guava), *Saccharum officinarum* (tebu, sugarcane), *Elaeis guineensis* (kelapa sawit, oilpalm), *Gossypium hirsutum, Mangifera indica* (mangga, mango), *Carica papaya* (pepaya, papaya, pawpaw), *Oryza sativa* (padi, rice, paddy),	akar, bonggol, tanah.	Africa: Angola, Burkina Faso, Cameroon, Congo, Egypt, Gambia, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mozambique, Niger, Nigeria, Réunion, Sao Tome & Principe, Senegal, South Africa, Tanzania, Togo, Uganda, Zimbabwe America: Dominica, Grenada, St. Lucia, St. Vincent and the Grenadines.

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			Dioscorea spp., *Ananas comosus* (nenas, pineapple), *Triticum aestivum* (gandum, wheat), *Vigna cylindrica* (kacang tunggak, long bean), *Vitis vinifera* (anggur, grapevine), *Citrus*, *Sorghum bicolor* (sorgum, sorghum), *Eleusine coracana*, kakao, *Rosa* spp. (mawar, rose)		Asia: China, Pakistan, Sri Lanka
31.	*Longidorus attenuatus* Hooper; Longidoridae; needle nematode	I: jika MP tidak diproses. II: jika MP diproses	*Hordeum vulgare* (barli, barley), *Brassica* sp. (kubis, cabbage), *Trifolium* sp. (cengkeh, clover), *Fragaria ananassa* (strawberry), *Fragaria vesca* (stroberi, wildstrawberry), *Beta vulgaris* var *saccharifera* (bit gula, sugar beetroot), *Triticum* sp. (gandum, wheat), *Medicago sativa* (alfalfa, lucerne), *Daucus carota* (wortel, carrot), *Cucurbita* sp. (labu, pumpkin), *Vitis* sp. (anggur, grape)	akar, umbi, stolon, tanah sebagai vektor:*Tomato black ring virus*	Africa: Nigeria Europe:Russia, Bulgaria, France, Italy, Germany, Poland, Spain, UK
32.	*Longidorus caespiticola* Hooper; Longidoridae; needle nematode	I: jika MP tidak diproses. II: jika MP diproses	*Fragaria vesca* (stroberi, wildstrawberry), *Rosa spp.* (mawar, rose)	akar, stolon, tanah sebagai vektor:*Rasp berry*	Europe: Western Europe

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			ringspot virus, Cherry leaf roll virus		
33.	*Longidorus elongatus* (de Man) Thorne & Swanger; (=*Dorylaimus elongatus* =*Dorylaimus tenuis* =*Longidorus menthasolanus* =*Longidorus monohystera* =*Trichodorus elongatus*); Longidoridae; needle nematode, tomato black ring eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Beta vulgaris* (bit, beetroot), *Daucus carota* (wortel, carrot), *Fragaria ananassa* (stroberi, strawberry), *Fragaria vesca* (stroberi, wildstrawberry), *Lolium perenne*(perennial ryegrass), *Mentha piperita* (peppermint) *Allium* spp., *Apium graveolens* (seledri, celery), *Avena sativa* (oat, oats), *Brassica oleracea* var. *Gemmifera*(Brussels sprouts), *Brassica oleracea capitata* (kubis, cabbage), *Ficus carica*(fig), *Hordeum vulgare* (barli, barley), *Lycopersicum esculentum* (tomat, tomato), *Medicago sativa* (alfalfa, lucerne), *Raphanus sativus* (lobak, radish), *Ribes nigrum*(blackcurrant), *Ribes rubrum*(red currant), *Trifolium pratense*(purple clover), *Urtica dioica*(stinging nettle), *Vitis*	akar, stolon, umbi, polong, tanah sebagai vektor: *Raspberry ringspot virus*, *Tomato black ring virus*	Africa: South Africa America: Canada, USA Asia: Georgia, India, Kazakhtan, Pakistan, Tajikistan, Uzbekistan, Vietnam Europe:Austria, Belgium, Netherlands, Bulgaria, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Moldova, Norway, Poland, Portugal, Rumania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK Oceania:New Zealand.	

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		vinifera(anggur, grapevine), *Arachys hypogaea* (kacang tanah, peanut), *Brassica rapa subspec. rapa* (turnip, turnip), *Polygonum convolvulus*(black bindweed), *Malus domestica* (apel, apple), *Pyrus communis* (pir, pear), *Ranuncaulus acris*, *Rosa* spp. (mawar, rose), *Rubus idaeus*(raspberry), *Capsella burs-pastoris* (shepherd's purse), *Dactylis glomerata* (orchardgrass), *Lolium multiforum* (Italian ryegrass), *Poa annua* (annual meadowgrass), *Stellaria media*(common chickweed)			
34.	*Longidorus leptocephalus* Hooper; Longidoridae; needle nematode	I: jika MP tidak diproses. II: jika MP diproses	Cerealia, *Daucus carota* (wortel, carrot), *Solanum tuberosum* (kentang, potato), grass, *Tagetes* spp. (marigold), *Rosa* sp. (mawar, rose), *Beta vulgaris* (bit gula, sugarbeet), *Tulipa* sp. (Tulip), *Brassica rapa* (turnip), *Malus domestica* (apel, apple), *Prunus avium* (ceri, cherry), *Prunus domestica* (prem, plum)	akar, umbi, tanah sebagai vektor: *Raspberry ringspot virus*, *Cherry leaf roll virus*	Europe:Denmark, Germany, Ireland, Norway, Sweden, Netherlands, UK, Slovenia, Slovakia, Scotland, England, Russia, Poland	

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35.	*Longidorus macrosoma*Hooper; Longidoridae; needle nematode	I: jika MP tidak diproses. II: jika MP diproses	*Rosa* spp. (mawar, rose), *Fragaria vesca* (stroberi, wildstrawberry), *Vitis vinifera* (anggur, grapevine), *Prunus avium* (ceri, cherry)	akar, stolon, tanah sebagai vektor: *Rasberry ringspot virus*	Europe: all
36.	*Meloidogyne acronea* Coetzee; (=*Hypsoperine (Hypsoperine) acronea =Hypsoperine acronea*); Meloidogynidae; African cotton root nematode	I: jika MP tidak diproses. II: jika MP diproses	*Gossypium barbadens* (kapas, cotton), *Gossypium hirsutum* (Bourbon cotton) *Arachys hypogaea* (kacang tanah, peanut), *Cajanus cajan* (kacang gude, pigeon pea), *Cassia* spp., *Chloris gayana*(rhodes grass), *Cyamopsis tetragonoloba*(guar), *Croton tiglium*(purging croton), *Eleusine coracana*(finger millet), *Eragrostis* spp.(lovegrasses), *Helianthus annuus* (bunga matahari, sunflower), *Hibiscus sabdariffa*(jamaica sorrel), *Lycopersicum esculentum* (tomat, tomato), *Pennisetum glaucum*(pearl millet), *Vigna* spp. (buncis, cowpea), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum)	akar, polong, umbi, bibit, tanah	Africa: Malawi, South Africa.

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37.	*Meloidogyne brevicauda* Loos; Meloidogynidae; Indian rootknot nematode, tea rootknot nematode	I: jika MP tidak diproses. II: jika MP diproses	*Camellia sinensis* (teh, tea), *Crocus sativus*(kuma-kuma, safron, saffron)	akar, umbi, planlet, bibit, tanah	Asia: Azerbaijan, India, Srilanka.
38.	*Meloidogyne chitwoodi* Golden O'Bannon, Santo & Finley; Meloidogynidae; Columbia root-knot nematode	II	*Daucus carota* (wortel, carrot), *Lycopersicum esculentum* (tomat, tomato), *Medicago sativa* (alfalfa, lucene), *Solanum tuberosum* (kentang, potato) *Vigna* spp. (buncis, cowpea), *Pisum sativum* (kapri, sweet pea), *Scorzonera hispanica*(oyster plant), *Zea mays* (jagung, corn), *Chenopodium quinoa* (quinoa), *Phaseolus vulgaris* (buncis, common bean), *Avena sativa* (oat, oats), *Beta vulgaris var. saccharifera* (bit gula, sugarbeet), *Hordeum vulgare* (barli, barley), Poaceae, *Triticum aestivum* (gandum, wheat)	akar, umbi, bibit, tanah	Africa: South Africa America: Argentina, Mexico, USA. Asia: Turkey Europe: Belgium, Germany, Netherland, France, Italy, Portugal
39.	*Meloidogyne coffeicola* Lordello & Zamith; Meloidogynidae; coffeerootknot nematode	I: jika MP tidak diproses. II: jika MP diproses	*Coffea* spp. (kopi, coffee) Eupatorium (Asteraceae)	akar, tanah	America: Brazil

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40.	*Meloidogyne decalineata* Whitehead; Meloidogynidae; African coffee rootknot nematode	I: jika MP tidak diproses. II: jika MP diproses	*Coffea* spp. (kopi, coffee)	akar, tanah	Africa: Tanzania, Sao Tome & Principe.	
41.	*Meloidogyne exigua* Goeldi; (=*Heterodera exigua*); Meloidogynidae; coffee rootknot nematode, Brazilian pyroid coffee nematode, root-knot nematode	II	*Allium ascalonicum* (bawang merah, shallot), *Allium cepa* (bawang bombay, onion), *Bidens pilosa*(blackjack), *Citrus aurantium* (jeruk nipis, lime), *Citrullus vulgaris* (semangka, watermelon), *Capsicum annuum* (paprika, bell-pepper), *Cucumis sativus* (mentimun, cucumber), *Cyphomandra betacea*(tree tomato), *Lycopersicum esculentum* (tomat, tomato), *Musa* spp. (pisang, banana), *Oryza sativa* (padi, paddy), *Pilea* spp., *Poncirus trifoliata*(trifoliate orange), *Saccharum officinarum* (tebu, sugarcane), *Solanum nigrum*(black nightshade), *Stachys arvensis*(staggerweed), *Coffea* spp. (kopi, coffee), *Ipomoea acuminata.*	umbi, bonggol, akar, tanah	America: Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominica, El Salvador, French Guiana, Guatemala, Guadeloupe, Guyana, Honduras, Martini, Nicaragua, Puerto Rico, Peru, Suriname, Trinidad, Venezuela.	

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42.	*Meloidogyne fallax*Karssen; (=*Meloidogyne chitwoodi (Baexem)* B Type (van Maggelen et al 1994); Meloidogynidae; false Colombia root-knot nematode	I: jika MP tidak diproses. II: jika MP diproses	*Daucus carota* subsp. *sativus* (wortel, carrot), *Scorzonera hispanica* (oyster plant), *Solanum tuberosum*(Kentang, potato) *Arachis hypogea* (peanut) *Asparagus officinalis* (asparagus), *Beta vulgaris*(beetroot), *Beta vulgaris* subsp. *vulgaris* (bit gula, beet, sugarbeet), *Chenopodium album* (lambsquarters), *Cynara scolymus*, *Cynara cardunculus* var. *scolymus* (globeartichoke), *Dahlia* spp. (dahlia), *Fragaria* sp., *Fragaria ananassa* (stroberi, strawberry), *Hemerocallis* sp. (daylily), *Lactuca sativa* (selada, lettuce),*Lamprocapnos spectabilis* (bleeding heart), *Lolium* sp., *Lolium perenne* subsp. *multiforum* (ryegrass, Italian ryegrass), *Medicago sativa* (alfalfa, lucerne), *Oenothera biennis*, O. *glazioviana* (primrose), *Phacelia tenacetifolia* (lacy phacelia), *Sinapsis alba* (mustard), *Solanum*	bibit, akar, tanah	America: USA Eropa: Belgium, France, Germany, Switzerland, Netherlands Oceania: Australia, New Zealand	

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			lycopersicum (tomat, tomato), *Triticum* sp., *T. aestivum*, *T. durum* (gandum, wheat), *Zea mays* (jagung, corn),			
43.	*Meloidogyne minor* Karssen et al.; Meloidogynidae	I: jika MP tidak diproses. II: jika MP diproses	*Lycopersicon esculentum* (tomat, tomato), *Solanum tuberosum* (kentang, potato) *Agrostis stolonifer* (creeping bentgrass)	akar, umbi, tanah	America: USA Europe: Belgium, Ireland, Netherlands, UK
44.	*Meloidogyne naasi* Franklinl; Meloidogynidae; rootknot nematode	II	*Hordeum vulgare* (barli, barley), *Trifolium repens*(white clover), *Triticum aestivum* (gandum, wheat), *Beta vulgaris* var. *sacchraifera* (bit gula, sugar beetroot), cerealea, *Glycine max* (kedelai, soyabean) Turfgrasses	akar, umbi, tanah	America: USA Europe: France, Hungary, UK	
45.	*Meloidogyne oteifae* Elm iligy; Meloidogynidae; rootknot nematode	I: jika MP tidak diproses. II: jika MP diproses	*Coffea* spp. (kopi, coffee), *Peuraria* spp.	akar, tanah	Africa: Angola, DR Congo	
46.	*Nacobbus aberrans* (Thome) Thorne & Allen; (=*Nacobbus batatiformis* =*N.serendipiticus bolivianus* =*Pratylenchus aberrans* =*Nacobbus serendipiticus* =*Anguillulina*	I: jika MP tidak diproses. II: jika MP diproses	*Solanum tuberosum* (kentang, potato), *Lycopersicum esculentum* (tomat, tomato), *Beta vulgaris* var. *sacchraifera* (bit gula, sugar beetroot),	umbi, akar, bibit, tanah	Africa: Egypt America: Argentina, Bolivia, Chile, Ecuador, Mexico, Peru, USA Europe: Italy, Netherlands, Russia, UK	

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aberrans); Pratylenchidae; false rootknot nematode, potato rosery nematode		*Brassica napus* var. *napobrassica* (swede), *Brassica nigra* (black mustard), *Brassica oleracea* (kubis, bunga kol, cabbages, cauliflowers), *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Brassica oleracea* var. *gongylodes* (kohlrabi), *Brassica oleracea* var. *italica* (brokoli, broccoli), *Brassica oleracea* var. *viridis* (collards), *Brassica rapa* subsp. *Pekinensis* (petsai), *Amaranthus hybridus* (bayam, spinach), *Atriplex confertifolia*(shadscale saltbush), *Beta vulgaris* (bit, beetroot), *Chenopodium album*(fat hen), *Chenopodium quinoa* (quinoa), *Capsicum annuum* (paprika, bell-pepper), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima*(giant pumpkin), *Cucurbita pepo* (labu kuning, zucchini), *Daucus carota* (wortel, carrot), *Gaillardia* spp.,		

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		Kochia spp., *Lactuca* sativa (selada, lettuce), *Opuntia* spp.(pricklypear), *Pisum sativum* (kapri, sweet pea), *Sisymbrium irio*(london rocket), *Solanum melongena* (terung, eggplant), *Spergula arvensis*(corn spurry), *Spinacia oleracea*(spinach), *Tribulus terrestris*(puncture vine), *Tragopogon porrifolius*(oysterplant), *Solanum nigrum*(black nightshade), *Ullucus tuberosus*(ulluco)			
47.	*Paratrichodorus porosus*(Allen) Siddiqi; (=*Trichodorus porosus=T. Bucrius =Paratrichodorus (Atlantadorus) porosus=Atlantadorus porosus*); Trichodoridae	I: jika MP tidak diproses. II: jika MP diproses	*Allium cepa* (bawang bombay, onion), *Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica rapa* subsp. *chinensis* (kubis, Chinese cabbage), *Camellia, Camellia sinensis* (teh, tea), *Citrus jambhiri* (rough lemon), *Citrus limon* (jeruk lemon, lemon), *Citrus reticulata* (jeruk mandarin, mandarin), *Citrus sinensis* (jeruk manis, navel orange), *Citrus* x *paradisi* (grapefruit), *Dioscorea* (yam), *Dioscorea batatas* (Chinese yam), *Juglans*	bibit, umbi, bonggol, akar, tanah sebagai vektor: Tobravirus	Africa: South Africa America: USA, Brazil, Chile, Costa Rica Asia: China, India, Iran, Japan, South Korea, Srilanka, Uzbekistan, Vietnam Europe: Italy,Portugal, Russia Oceania: Australia, Papua New Guinea	

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		regia (walnut), *Lycopersicon peruvianum*, *Musa* (pisang, banana), *Musa* x *paradisiaca* (pisang kepok, plantain), *Prunus armeniaca* (apricot), *Prunus persica* (peach), *Pyrus communis* (European pear), *Rubus loganobaccus* (loganberry), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Tagetes erecta* (African marigold), *Tagetes patula* (French marigold), *Vitis vinifera* (anggur, grapevine), *Zea mays* (jagung, corn)		
		Abelmoschus esculentus (okra, okra), *Allium sativum* (bawang putih, garlic), *Bambusa vulgaris* (bambu, common bamboo), *Cucurbita maxima* (giant pumpkin), *Eucalyptus* (Eucalyptus tree), *Ficus carica* (fig), *Gardenia*, *Glycine max* (kedelai, soyabean), *Gossypium* (kapas, cotton), *Lagerstroemia indica* (indian crape myrtle), *Lupinus* (lupins), *Malus domestica*		

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		(apel, apple), *Morus alba* (mora), *Olea europaea* subsp. *europaea* (zaitun, olive), *Persea americana* (avokad, avocado), *Poncirus trifoliata* (Trifoliate orange), *Prunus domestica* (plum), *Prunus mahaleb* (mahaleb cherry), *Prunus salicina* (Japanese plum), *Rhododendron* (Azalea), *Rosa* (mawar, roses), *Acer palmatum* (Japanese maple), *Aphananthe aspera* (muku), *Aucuba japonica* (Japanese aucuba), *Bambusa tuldoides* (punting-pole bamboo), *Butia*(jelly palm), *Callicarpa japonica*(Japanese callicarpa), *Carpinus tschonoskii, Castanea crenata* (Japanese chestnut), *Castanopsis cuspidata* (chinkapin), *Casuarina* (beefwood), *Casuarina equisetifolia* (casuarina), *Celtis sinensis* (Chinese elm), *Cercidiphyllum japonicum* (katsura), *Cinnamomum camphora* (camphor laurel),		

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		Cleyera japonica, *Cryptomeria japonica* (Japanese cedar), *Daphniphyllum macropodum*, *Fatsia japonica* (Japanese aralia), *Ginkgo biloba* (kew tree), *Idesia polycarpa* (idesia), *Ilex crenata* (Japanese holly), *Ilex integra* (mochi), *Ilex rotunda* (kurogane holly), *Juniperus* (junipers), *Magnolia hypoleuca* (japanese big-leaved magnolia), *Musa acuminata* (wild banana), *Neolitsea sericea*, *Pinopsida* (conifers), *Pinus densiflora* (Japanese umbrella pine), *Pinus pseudostrobus* var. *pseudostrobus*, *Pinus thunbergii* (Japanese black pine), *Pittosporum tobira* (Japanese pittosporum), *Pyrus amygdaliformis*, *Quercus acutissima* (sawtooth oak), *Quercus glandulifera* (Glandbearing oak), *Quercus salicina*, *Rhododendron indicum* (Satsuki azalea), *Taxus cuspidata* (Japanese yew),		

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		Ternstroemia gymnanthera, *Viburnum odoratissimum*			
48.	*Pratylenchus goodeyi* Sher & Allen; (=*Anguillulina musicola* =*Tylenchus musicola*); Pratylenchidae; banana lesion nematode	I: jika MP tidak diproses. II: jika MP diproses	*Musa* spp. (pisang, banana), *Musa* x*paradisiaca* (pisang kepok, plantain) *Zea mays* (jagung, corn), *Phaseolus vulgaris* (buncis, common bean), *Vigna* spp. (kacang panjang, cowpea), *Commelina benghalensis*(wandering jew), *Sesbania grandiflora* (turi, agati), *Lycopersicum esculentum* (tomat, tomato), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum)	umbi, bonggol, bibit, akar, tanah	Africa: Burundi, Cameroon, Canary Island, Egypt, Ethiopia, Kenya, Rwanda, Tanzania, Uganda. Europe: Greece, Portugal, Spain Oceania: Australia
49.	*Pratylenchus neglectus* (Rensch)Fili&Schuur.Steekh.; Pratylenchidae; California root lesion nematode, California meadow nematode	I: jika MP tidak diproses. II: jika MP diproses	*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Agropyron cristatum*(crested wheatgrass), *Brassica oleracea* var.*capitata* (kubis, cabbage), *Fragaria* (stroberi, strawberry), *Malus domestica*(apel, apple), *Medicago sativa* (alfalfa, lucerne), *Solanum tuberosum* (kentang, potato), *Pistacia vera* (pistachio)	akar, stolon, umbi, tanah	Africa: Morocco, South Africa America: Canada, Mexico, USA Asia: Japan, Pakistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan Europe: Croatia, Estonia, Italy, Poland, Armenia, Azerbaijan, Belarus, Georgia, Latvia, Lithuania, Moldova, Ukraine, Russia, Spain Oceania: Australia

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50.	*Pratylenchus scribneri* Steiner;Pratylenchidae; lesion nematode	I: jika MP tidak diproses. II: jika MP diproses	*Gossypium barbadens* (kapas, cotton), *Malus domestica* (apel, apple), *Mentha spicata*(Spear mint), *Parthenium argentatum*(Guayule), *Solanum tuberosum* (kentang, potato), *Sorghum halepense*(Johnson grass), *Zea mays* (jagung, corn), *Fragaria vesca* (stroberi, strawberry), *Hippeastrum* spp. (amarilis, amaryllis).	akar, umbi, stolon, tanah	Africa: Cameroon America:South America, USA, Mexico. Asia: Pakistan, Japan, India, Israel, Turkey Europe: Bulgaria, Sweden, Italy
51.	*Pratylenchus thornei* Sher. & Allen; Pratylenchidae; Thorne's root lesion nematode	I: jika MP tidak diproses. II: jika MP diproses	*Cicer arietinum*(chickpea), *Pinus merkusii* (tusam, pinetree), *Triticum aestivum* (gandum, wheat), *Quercus* spp., *Zea mays* (jagung, corn), *Rosa* spp. (mawar, rose), Fabaceae, *Agrostis* spp.(bentgrasses), *Allium ascalonicum* (bawang merah, shallot), *Apium graveolens* (seledri, celery), *Arachys hypogaea* (kacang tanah, peanut), *Avena sativa* (oat, oats), *Beta vulgaris* (bit, beetroot), *Citrullus vulgaris* (semangka, watermelon), *Cupressus* spp.(cypresses),	akar, umbi, polong, stolon, bibit, batang, tanah	Africa: Egypt, Kenya, Libya, Malawi, Morocco, South Africa, Sudan, Tunisia America:Canada, Argentina, Mexico, USA, Chile, Venezuela Asia: Afghanistan, India, Iran, Israel, Japan, Jordan, Pakistan, Saudi Arabia, Syria, Turkey Europe: Belgium, Bulgaria, Netherlands, Croatia, Cyprus, Denmark, Serbia, Slovenia, Slovakia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Germany,

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		Cynara scolymus (artichoke), *Daucus carota* (wortel, carrot), *Fragaria vesca* (stroberi, strawberry), *Glycine max* (kedelai, soyabean), *Hordeum vulgare* (barli, barley), *Iberis* spp.(candytuft), *Juglans regia* (walnut), *Lens esculenta* (lentil), *Lathyrus odoratus*(sweet pea), *Medicago sativa* (alfalfa, lucerne), *Mentha piperita*(Peppermint), *Mentha spicata*(Spear mint), *Vigna* spp. (kacang panjang, cowpea), *Pisum sativum* (kapri, sweet pea), *Prunus* spp.(stone fruit), *Saccharum officinarum* (tebu, sugarcane), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), *Trifolium* spp., *Vicia faba*(faba bean), *Vigna cylindrica* (kacang tunggak, long bean), *Vitis vinifera* (anggur, grapevine), *Brassica oleracea* (cabbages, cauliflowers)		Greece, Italy, Portugal, Russia, Spain, UK Oceania: Australia.	

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52.	*Pratylenchus vulnus* (Allen & Jensen); Pratylenchidae; walnut root lesion nematode; root lesion nematode; meadow nematode	I: jika MP tidak diproses. II: jika MP diproses	*Actinidia arguta* (tara vine), *Actinidia deliciosa* (kiwi, kiwifruit), *Araucaria araucana* (monkey puzzle), *Bambusa* sp. (bambu, bamboo), *Berberis thunbergii* (Japanese barberry), *Brassica oleracea var. capitata* (kubis, cabbage), *Buxus sempervirens* (common boxwood), *Carya illinoinensis* (pecan), *Citrus aurantium* (sour orange), *Citrus sinensis* (jeruk manis, navel orange), *Citrus x paradisi* (grapefruit), *Corylus avellana* (hazel), *Crotalaria juncea* (sunn hemp), *Crotalaria spectabilis* (Showy rattlepod), *Cydonia oblonga* (quince), *Cytisus scoparius* (broom), *Daucus carota* (wortel, carrot), *Eriobotrya japonica* (loquat), *Ficus carica* (ara), *Forsythia intermedia* (Golden bells), *Fragaria ananassa* (stroberi, strawberry), *Gossypium hirsutum* (kapas, Bourbon cotton),	akar, stolon, bibit, umbi, tanah, batang, kulit kayu	Africa: Cameroon, Egypt, Kenya, Rèunion America: Argentina, Brazil, Cuba, Canada, USA, Uruguay Asia: China, India, Iran, Israel, Japan, Philippines, South Korea, North Korea, Kyrgyzstan, Kazakhstan, Tajikistan, Turkmenistan, uzbekistan, Pakistan, Sri Lanka Europe: Belgium, Bulgaria, Denmark, Finland, France, Germany, Greece, Italy, Netherlands, Norway, Russia, Spain, UK, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Latvia, Lithuania, Moldova, Ukraine Oceania: Australia, New Zealand	

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		Hamamelis (witchhazel), *Impatiens balsamina* (garden balsam), *Juglans hindsii* (californian black walnut), *Juglans major* (arizona walnut), *Juglans microcarpa* (River walnut tree), *Juglans nigra* (black walnut), *Juglans regia* (walnut), *Juniperus chinensis* (Chinese juniper), *Lathyrus odoratus* (sweet pea), *Ligustrum ovalifolium* (california privet), *Lilium longiflorum* (Easter lily), *Lilium speciosum* (Showy lily), *Lotus corniculatus* (bird's-foot trefoil), Mahonia (holly grape), *Malus sylvestris* (crab-apple tree), *Medicago sativa* (alfalfa, lucerne), *Melilotus alba* (honey clover), *Nicotiana tabacum* (tembakau, tobacco), *Olea europaea subsp. europaea* (zaitun, olive), *Papaver somniferum* (Opium poppy), *Persea americana* (avokad, avocado), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common		

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		bean), *Pistacia vera* (pistachio), *Pisum sativum* (kapri, sweet pea), *Prunus amygdalus*, *Prunus armeniaca* (aprikot, apricot), *Prunus avium* (sweet cherry), *Prunus besseyi* (bessey cherry), *Prunus cerasifera* (myrobalan plum), *Prunus domestica* (plum), *Prunus dulcis* (almond), *Prunus mahaleb* (mahaleb cherry), *Prunus persica* (persik, peach), *Pterocarya stenoptera* (chinese wing nut), *Pyrus communis* (European pear), Rosa (roses), *Rosa canina* (Dog rose), *Rosa chinensis* (China rose), *Rosa multiflora* (Multiflora rose), Rubus (blackberry, raspberry), *Rubus idaeus* (raspberry), *Taxus baccata* (English yew), *Vicia benghalensis* (purple vetch), *Vicia faba* (kacang babi, broad bean), *Vigna catjang*, *Vitis rupestris* (sand-grape), *Vitis vinifera* (grapevine), *Zea mays* (jagung, corn)		

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53.	*Punctodera punctata* (Thorne) Mulvey & Stone; (=*Heterodera punctata*); Heteroderidae; grass cyst nematode, grass cyst eelworm	I: jika MP tidak diproses. II: jika MP diproses	*Agrostis stolonifera* var. *Palustris*(bent grass), *Agrostis stolonifera*(creeping bentgrass), *Agrostis capillaris*(brown bentgrass), *Festuca rubra*(red fescue), *Lolium perenne*(perennial ryegrass), *Poa annua*(annual meadowgrass), *Poa pratensis*(smooth-stalked meadowgrass), Turfgrasses *Avena sativa* (oat, oats), *Hordeum vulgare* (barli, barley), *Triticum aestivum* (gandum, wheat)	akar, bibit, tanah	Africa: Morocco America: Argentina, Canada, Chile, Mexico, USA. Asia: Israel, Japan Europe: Austria, Belgium, Czech Republic, Croatia,Denmark, Estonia, Finland, France,Serbia, Slovenia, Bosnia and Herzegovina, Montenegro, Macedonia, Germany, Greece, Iceland, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK
54.	*Radopholus citrophilus* Huettel, *et al.*; (=*Radopholus similis* citrus race); Pratylenchidae; burrowing nematode, spreading decline of citrus	I: jika MP tidak diproses. II: jika MP diproses	*Citrus* spp. (jeruk, orange)	biji, tanah	America: USA
55.	*Scutellonema bradys* (Steiner & Le Hew) Andrassy; (=*Anguillulina bradys* =*Hoplolaimus bradys* =*Rotylenchus blaberus* =*R.bradys* =*Scutellonema blaberum* =*S.dioscorea*); Hoplolaimidae; yam dry rot	I: jika MP tidak diproses. II: jika MP diproses	*Dioscorea* spp. (yam), *Vigna cylindrica* (kacang tunggak, long bean), *Zea mays* (jagung, corn), *Manihot esculenta* (ubi kayu, cassava), *Quercus* spp. *Abelmoschus moschatus* (okra, lady's finger), *Ananas*	umbi, bibit, akar, tanah	Africa:Benin, Burkina Faso, Cameroon, Ivory Coast, Gambia, Ghana, Guinea, Mali, Nigeria, Senegal, Sudan, Togo America: Barbados, Brazil, Costari Rica, Cuba, Dominica, Dominican

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nematode, yam nematode		*comosus* (nenas, pineapple), *Cajanus cajan* (kacang gude, pigeon pea), *Cocos nucifera* (kelapa, coconut), *Celosia argentea*(celosia argentea), *Corchorus olitorius*(jute), *Hibiscus cannabinus* (kenaf), *Hibiscus sabdariffa*(jamaica sorrel), *Luffa acutangula* (gambas, angled loofa), *Lycopersicum esculentum* (tomat, tomato), *Pachyrhizus erosus* (bangkuang, yam-bean), *Vigna radiata* (kacang hijau, mungbean), *Pueraria phaseoloides*(tropical kudzu), *Sesamum indicum* (wijen, sesame), *Sorghum bicolor* (sorgum, sorghum), *Urena lobata*(caesar weed), *Synedrella nodiflora*(synedrella)		republic, Guadeloupe, Guatemala, Haiti, Jamaica, Martinique, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: India, Pakistan
56. *Trichodorus similis*Seinhorst; Trichodoridae; stubby root nematode	I: jika MP tidak diproses. II: jika MP diproses	*Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum),*Beta vulgaris* var. *saccharifera* (bit gula, sugarbeetroot), *Dioscorea batatas* (Chinese yam), *Nicotiana tabacum* (tembakau, tobacco)	akar, umbi, tanah sebagai vektor: *Tobacco rattle virus*	America: USA. Asia: Turkey Europe: Belgium, Bulgaria, Czech Republic, Netherlands, France, Germany, Italy, Norway, Poland, Sweden, UK

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57.	*Trichodorus viruliferus* Hooper; Trichodoridae; stubby root nematode	I: jika MP tidak diproses. II: jika MP diproses	*Beta vulgaris* var. *saccharifera* (bit gula, sugarbeetroot), *Hordeum vulgare* (barli, barley), *Malus domestica* (apel, apple), *Pisum sativum* (kapri, sweet pea), *Secale cereale* (rye), *Solanum tuberosum* (kentang, potato), *Vitis vinifera* (anggur, grapevine), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn)	akar, umbi, tanah sebagai vektor:*Pea early browning virus*, *Tobacco rattle virus*	America: USA Europe:Belgium, Bulgaria, Czech Republic, France, Germany, Hungary, Italy, Netherlands, Poland, Slovakia, Spain, Sweden, Switzerland, UK
58.	*Tylenchorhynchus claytoni* Steiner; (=*Tesselus claytoni*) Dolichodoridae; stunt nematode; tobacco stunt nematode	I: jika MP tidak diproses. II: jika MP diproses	*Arachniodes adiantiformis* (Leatherleaf fern), *Avena sativa* (oats), Azaleas, *Glycine max* (kedelai, soyabean), *Gossypium sp.* (kapas, cotton), Lolium (ryegrasses), *Medicago sativa* (alfalfa, lucerne), Nandina, *Nicotiana tabacum* (tembakau, tobacco), *Olea europaea* subsp. *europaea* (zaitun, olive), *Oryza sativa* (padi, paddy, rice), Peony, *Photinia glabra*, *Pinus resinosa* (red pine), *Pisum sativum* (kapri, sweet pea), Poaceae (grasses), *Prunus persica* (peach),	akar, bibit, umbi, polong, tanah	Africa: South Africa America: Honduras, Canada, USA, Asia: Bangladesh, China, Japan, India, Turkey, Korea Europe: Belgium, Bulgaria, Cyprus, Denmark, Germany, Italy, Netherlands, Switzerland, UK, Poland Oceania: Australia

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		Rhododendron (Azalea), *Rhododendron indicum* (Satsuki azalea), *Rhododendron japonicum* (Japanese azalea), *Rhododendron obtusum* (Kirishima azalea), *Saccharum officinarum* (tebu, sugarcane), *Secale cereale* (rye), *Solanum tuberosum* (kentang, potato), Trifolium spp., *Zea mays* (jagung, corn) *Arachis hypogaea* (kacang tanah, groundnut), *Aucuba japonica* (Japanese aucuba), *Cajanus cajan* (kacang gude, pigeon pea), *Citrus aurantium* (sour orange), *Citrus limon* (lemon, lemon), *Citrus x paradisi* (grapefruit), *Eleusine coracana* (finger millet), *Ipomoea batatas* (ubi jalar, sweet potato), *Litchi chinensis* (leci, lichi), *Lycopersicon esculentum* (tomat, tomato), *Picea abies* (common spruce), *Pinus echinata* (shortleaf pine), *Pinus elliottii* (slash pine), *Pinus palustris* (longleaf		

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			pine), *Pinus taeda* (loblolly pine), Rubus (blackberry, raspberry), *Rubus fruticosus* (blackberry), *Solanum melongena* (terong, eggplant), *Vaccinium myrtillus* (blueberry), *Agrostis stolonifera* var. *palustris* (bent grass), *Arctium lappa* (burdock), *Bouteloua curtipendula* (Side-oats grama), *Bouteloua gracilis* (blue grama), *Camellia japonica* (camellia), *Chamaecyparis pisifera* (sawara false cypress), *Cynodon dactylon* (Bermuda grass), *Echinochloa colona* (junglerice), *Enkianthus perulatus* (white enkianthus), Erica (heaths), Festuca (fescues), *Festuca arundinacea* (reed fescue), Osmanthus fragrans, Pieris japonica (Lily-of-the-valley shrub), *Poa pratensis* (smooth-stalked meadowgrass)	akar, bibit, stolon, umbi,	Africa: Nigeria, Senegal America: Argentina, Brazil, Canada, Chile, Ecuador,
59.	*Xiphinema americanum* Cobb.; (=*Tylencholaimus americanus* =*Xiphinema taylori*	I: jika MP tidak diproses.	*Citrus* spp. (jeruk, orange), *Coffea* spp. (kopi, coffee), *Malus domestica (*apel,		

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=*Xiphinema californicum*); Xiphinematidae; American dagger nematode, tobacco ring spot nematode	II: jika MP diproses	apple), *Rubus idaeus*(raspberry), *Vaccinium* spp.(blueberries), *Vitis vinifera* (anggur, grapevine), *Zea mays* (jagung, corn), *Lycopersicum esculentum* (tomat, tomato), *Avena sativa* (oat, oats), *Cocos nucifera* (kelapa, coconut), *Citrus sinensis* (jeruk manis, navel orange), *Ficus carica* (ara), *Fragaria vesca* (stroberi, strawberry), *Glycine max* (kedelai, soyabean), *Gossypium barbadens* (kapas, cotton), *Juglans regia* (walnut), *Dimocarpus litchii* (leci, lychee), *Linum usitatissimum*(flax), *Mangifera indica* (mangga, mango), *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, paddy), *Prunus* spp. (stone fruit), *Psidium guajava* (jambu biji, guava), *Rubus* spp.(blackberry, raspberry), *Saccharum officinarum* (tebu, sugarcane), *Solanum tuberosum* (kentang,	tanah. sebagai vektor:*Tobacco ring spot virus*, *Tomato ring spot virus*, *Peach yellow bud virus*, *Cherry rasp leaf virus*	Guatemala, Mexico, Panama, Peru, USA, Uruguay, Venezuella, Argentina, Asia: China, India, Japan, Kazakhtan, North Korea, Oman, Pakistan, Philippines, Sri Lanka, Tajikistan, Turkey, Uzbekistan Europe: Hungary, Poland, Russia, Spain, UK Oceania: Australia.	

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		potato), *Sorghum bicolor* (sorgum, sorghum), *Vaccinium* spp.(blueberries), *Vitis vinifera* (anggur, grapevine), *Coffea canephora* (kopi robusta, robusta coffee), *Cucurbita pepo* (ornamental gourd), *Fragaria ananassa* (stroberi, strawberry), *Glycine max* (kedelai, soyabean), *Gossypium hirsutum* (bourbon cotton), *Lycopersicon esculentum* (tomat, tomato), *Malus domestica* (apel, apple), *Malus sylvestris* (crab-apple tree), *Mangifera indica* (mangga, mango), *Medicago sativa* (alfalfa, lucerne), *Pistacia vera* (pistachio), Polyphagous, Prunus (stone fruit), *Prunus armeniaca* (aprikot, apricot), *Prunus avium* (sweet cherry), *Prunus domestica* (plum), *Prunus dulcis* (almond), *Prunus persica* (persik, peach), *Prunus salicina* (Japanese plum), *Rubus* (blackberry, raspberry), *Rubus idaeus* (raspberry),		

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		Zea mays (jagung, corn) *Mentha* spp. (mints), *Pinus* spp. (pines), *Achras* (= *Manilkara) zapota* (sawo, sapodilla), *Onobrychis vicijfolia*(sainfoin), *Petunia hybrida*, *Picea* spp., *Plantago* spp. (plantain), *Poncirus trifoliata*(Trifoliate orange), *Potentilla* spp.(Cinquefoil), *Rosa* spp. (mawar, rose), *Shorea robusta*(sal), *Tectona grandis* (jati, teakwood), *Trifolium* spp. (clovers), *Zoysia japonica*(zoysiagrass), *Agropyron* spp., *Codiaeum variegatum*(croton), *Callicarpa americana*(American beautyberry), *Nerium oleander*(oleander), Acer platanoides(Norway maple), *Agropyron cristatum*(crested wheatgrass), *Agropyron desertorum*(crested wheatgrass (USA)), *Anethum graveolens*(dill), Bambusa (bamboo), *Bambusa tuldoides*(punting-pole bamboo), *Callicarpa*		

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			americana (American beautyberry), *Cichorium intybus* (chicory), *Codiaeum variegatum* (croton), *Cydonia oblonga*(quince), *Manilkara zapota* (sapodilla), *Nerium oleander*(oleander), *Onobrychis viciifolia* (sainfoin), *Petunia hybrida*, *Picea glauca*(white spruce), *Picea pungens*(blue spruce), Plantago (Plantain), *Poncirus trifoliate*(Trifoliate orange), Potentilla(Cinquefoil), Rosa (mawar, roses), *Shorea robusta* (sal), *Tectona grandis* (teak), Trifolium (clovers), *Trifolium pratense* (purple clover), *Trifolium repens* (white clover), *Zoysia japonica* (zoysiagrass)		
60.	*Xiphinema diversicaudatum* (Micoletzky) Thorne; (=*Dorylaimus (Longidorus) diversicaudatus =D.elongatus =Longidorus diversicaudatus =Xiphinema (Diversiphinema) diversicaudatum =X.amarantum =X.basiri =X.israeliae =X.*	I: jika MP tidak diproses. II: jika MP diproses		*Beta vulgaris* (bit, beetroot), *Fragaria ananassa* (stroberi, strawberry), *Prunus* spp., *Rosa* spp. (mawar, rose), *Rubus fruticosa*(blackberry), *Rubus idaeus* (raspberry), *Vitis vinifera* (anggur, grapevine) *Prunus salicina* (Japanese	akar, umbi, stolon, bibit, tanah sebagai vektor:*Arabic mosaic virus Strawberry*	Africa: Algeria, South Africa America: USA Asia: Turkey Australia: New Zealand Europe: Austria, Belgium, Bulgaria, Netherlands, Bulgaria, Croatia, Czech Republic, Denmark,

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paraelongatum =*X. sahelense* =*X. seredouense*); Xiphinematidae; dagger nematode		plum), *Acer pseudoplatanus* (sycamore), *Allium porrum* (bawang daun, leek), *Brassica oleracea* (kubis, bunga kol, cabbage, cauliflower), *Chamaecyparislawsoniana* (Port Orford cedar), *Chamomilla suaveolens* (Rounded chamomile), *Chrysanthemum coronarium* (garland chrysanthemum), *Crataegus laevigata*, *Cucumis sativus* (mentimun, cucumber), *Daucus carota* (wortel, carrot), *Fagus sylvatica* (common beech), *Fraxinus excelsior* (ash), *Hordeum vulgare* (barli, barley), *Lactuca sativa* (selada, lettuce), *Lycopersicon esculentum* (tomat, tomato), *Malus sylvestris* (crab-apple tree), *Mentha arvenis* (corn mint), *Pisum sativum* (kapri, sweet pea), *Pyrus communis* (European pear), *Sambucus nigra* (elder), *Senecio vulgaris*, *Solanum tuberosum* (kentang, potato), *Trifolium pratense*	*latent ringspot virus*	Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Ireland, Italy, Moldova, Norway, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK	

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		(purple clover), *Tussilago farfara* (Colt's-foot), Veronica(Speedwell)			
61.	*Xiphinema index* Thorne & Allen;(=*Diversiphinema index*); Xiphinematidae; dagger nematode, fan-leaf virus nematode	I: jika MP tidak diproses. II: jika MP diproses	*Vitis vinifera* (anggur, grapevine), *Ficus carica* (ara, fig),*Muscadiniarotundifolia*(monkhood-vine), *Vitis* spp. *Citrus* spp. (jeruk, orange), *Ampelopsis aconitifolia*(monkhood-vine), *Anacardium occidentale* (jambu mete, cashew-nut), *Citrus aurantium* (jeruk nipis, ime), *Cydonia oblonga* (kwinsi, quince), *Juglans regia* (walnut), *Jasminum officinale, Lycopersicum esculentum* (tomat, tomato), *Malus domestica (*apel, apple*), Malus sylvestris* (crab-apple tree), *Morus alba*(mora), *Olea europea subsp. europea* (zaitun, olive), *Opuntia* sp.(pricklypear), *Parthenicissus triauspidata, Petunia hybrida, Vigna* spp. (buncis, cowpea), *Phaseolus vulgaris* (buncis, common bean), *Pistacia mutica, Pistacia vera*(pistachio),	akar, umbi, bibit, tanah sebagai vektor: *Grapevine fanleaf virus*	Africa: Algeria, South Africa, Tunisia America: Argentina, Brazil, Chile, Peru, USA Asia: Armenia, Azerbaijan, Georgia, India, Iran, Iraq, Israel, Lebanon, Pakistan, Tajikistan, Turkey, Turkmenistan, Uzbekistan Europe: Albania, Austria, Bulgaria, Croatia, Cyprus, Czech, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Italy, Malta, Moldova, Poland, Portugal, Romania, Russia, Slovakia, Spain, Switzerland, Ukraine Oceania: Australia, New Zealand.	

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		Prunus americana (aprikot, apricot), *Prunus cerrasus* (ceri, cherry), *Prunus* spp., *Pyrus communis* (pir, pear), *Rosa* spp. (mawar, rose), *Solanum tuberosum* (kentang, potato), Betula (birches), *Chenopodium giganteum* (large lambsquarters), *Chenopodium quinoa* (quinoa), *Cupressus pyramidalis*, *Fagus silvaticus*, *Gomphrena globosa* (Globe amaranth), *Nicotiana rustica* (wild tobacco), *Pinus halepensis* (Aleppo pine), *Pinus* sp. (pine), *Populus* sp. (poplar), *Quercus lucombeana*, *Solanum nigrum* (black nightshade), Thuja, *Urtica urens* (annual nettle), *Vitis rupestris* (sand-grape)			
62.	*Xiphinema italiae* Meyl.; Xiphinematidae; dagger nematode	I: jika MP tidak diproses. II: jika MP diproses	*Citrus* spp., *Vitis vinifera* (anggur, grapevine), *Olea europea* subsp. *europea* (zaitun, olive)	akar, tanah	Africa: Egypt, Cameroon, Libya, Nigeria, South Africa, Tunisia. Europe: Greece, Italy, Spain
				sebagai vektor:*Grap evine fanleaf virus*	

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V. GULMA (*WEEDS*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH ASAL/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Agropyron repens*(L.) Beauv.; *(Elymus repens = Elytrigia repens =Triticum repens)*; Poaceae; quack grass, couch grass, quick grass, rope twich, scotch quelch, dog grass, twich grass, wikens, wicks	II	*Triticum aestivum* (gandum, wheat), *Avena sativa* (oat, oats), *Beta vulgaris* var *saccharifera* (bit gula, sugar beet), *Brassica* spp., *Daucus carota* (wortel, carrot), *Helianthus annuus* (bunga matahari, sunflower), *Hordeum vulgare* (barli, barley), *Linum usitatissimum*, *Medicago sativa*, Pastures, *Phaseolus* spp., *Pisum sativum* (kapri, sweet pea),Poaceae(grasses), *Secale cereale* (rye), *Solanum tuberosum* (kentang, potato), *Trifolium* (clover),*Zea mays* (jagung, corn, maize),	Africa: Egypt, Nigeria America: Argentina, Canada, Ecuador, USA Asia: Afghanistan, Armenia, Bangladesh, Georgia, India, Iran, Israel, Japan, Kazakhstan, Mongolia, Pakistan, Turkey Europe: Austria, Belarus, Belgium, Bulgaria, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Netherland, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand, Papua New Guinea
2.	*Alectra fulminensis* (Vell.) Steam; Scrophulariaceae: *sugarcane weed*	II	*Saccharum officinarum* (sugarcane)	America: Venezuela
3.	*Alectra orobanchoides* (Benth); (= *A. kirkii* Benth. Kick); Schropulariaceae; tobacco witch weed	II	Leguminoceae (kacang-kacangan)	Africa: Kenya

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4.	*Alectra sessiliflora* (Vahl) Kuntze; Schropulariaceae; tobacco witch weed, yellow witch weed	II	Leguminoceae (kacang-kacangan)	Africa: all Asia: India, Myanmar, China, Philippines
5.	*Alectra vogelli* (Benth); Schropulariaceae; cowpeawitch weed	II	*Vigna unguiculata* (kacang panjang, cowpea) *Arachis hypogaea* (kacang tanah,groundnut,peanut), *Glycine max* (kedelai, soybean), *Lablab purpureus* (lyacinth bean), *Mucuna pruriens* (Buffalobean), *Phaseolus acutifolius* (tepary bean), *Phaseolus coccineus* (runner bean), *Phaseolus radiata*, *Phaseolus vulgaris* (common bean), *Voandzeia subterranea* (bambara groundnut)	Africa: South Africa, Central Africa, Mali, Kenya Europe: Switzerland
6.	*Alopecurus myosuroides* Hudson (=*A. agrestis* L); Poaceae; blackgrass, slender meadow foxtail, twitch grass, black twitch	II	*Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley), *Brassica napus* var. *napus*, *Secale cereale* (rye) *Beta vulgaris* (bit gula, beetroot), *Allium cepa* (bawang bombay, onion), *Solanum tuberosum* (kentang, potato), *Zea mays* (jagung, corn, maize), *Malus* spp., Prunus (stone fruits), *Pyrus communis* (pir, pear)	Africa: Northern Africa America: Argentina, Bolivia, Canada, Mexico, Peru, USA, Uruguay Asia: Afghanistan, China, India, Iran, Iraq, Israel, Jordania, Lebanon, Pakistan,Turkey Europe: Albania, Austria, Belgium, Bulgaria, Czech Republic, Slovakia, Denmark, France, Corsica, Germany, Greece, Hungary, Italy, Macedonia, Netherland, Norway, Portugal, Romania, Russia, Slovenia, Spain, Sweden, Switzerland, UK Oceania: Australia, New Zealand

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7.	*Asphodelus fistulosus* (L.); (=*Asphodelus tenuifolius Cav.)* Asphodelaceae; onion weed, asphodelus,wild onion, onion-leafed, pink asphodel, asphodel	II	*Cicer arietinum, Linum usitatissimum, Nicotiana tabacum* (tembakau, tobacco), *Pisum sativum* (kapri, sweet pea), *Solanum tuberosum* (kentang, potato), *Triticum aestivum* (gandum, wheat) *Beta vulgaris* (bit gula, beetroot), *Brassica juncea* var. juncea (Indian mustard), *Citrus, Gossypium hirsutum* (bourbon cotton), *Hordeum vulgare* (barli, barley), *Medicago sativa* (alfalfa, lucerne), *Phoenix dactylifera* (kurma, date-palm), *Saccharum officinarum* (tebu, sugarcane), *Zea mays*(jagung,corn,maize)	Africa: Algeria, Egypt, Mauritius, Morocco, Sudan America: Bolivia, Mexico, Peru, USA Asia: Afghanistan, Bangladesh, India, Iran, Iraq, Israel, Malaysia, Nepal, Oman, Pakistan, Saudi Arabia, Turkey, Yemen Europe: Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Greece, Italy, Portugal, Spain, Balearic Islands Oceania: Australia, New Zealand
8.	*Buchnera hispida* (Bunch.-Ham. ex D. Don); (=*Buchnera longifolia Klotzsch. =B. browniana* Schinz. =*B. macrocarpa* Hochst.*)* Orobanchaceae; karanji, marathi	II	*Sorghum bicolor* (cantel, sorghum), *Setaria italic* (jewawut, millet)	Africa: Southeast Africa Asia: India, Madagascar
9.	*Cirsium arvense*(L.) Scop.;(=*Cirsium incanum* = *C. lanatum* =*C. setosum* =*C. arvensis);* Asteraceae; california thistle, canada thistle, creeping thistle, field thistle	II	*Triticum aestivum* (gandum, wheat), *Aeschynomene falcata, Avena sativa* (oat, oats), *Bromus, Brassica napus* var. *napus, Carthamus tinctorius, Coronilla varia, Dactylis glomerata, Fagopyron esculentum, Glycine max* (kedelai,	Africa: Angola, South Africa, Sudan, Swaziland, Tunisia, Zimbabwe America: North America (Canada, Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Northwest Territories, Nova Scotia, Ontario, Prince Edward Island,

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		soybean), *Gossypium barbadens* (kapas, cotton), *Helianthus annuus* (bunga matahari, sunflower), *Hordeum vulgare* (barli, barley), *Linum usitatissimum*, *Lotus corniculatus*, *Pinus merkusii* (tusam, pinetree), *Medicago sativa*, *Onobrychis viciifolia*, *Panicum miliaceum*, Phleum, *Pisum sativum* (kapri, sweet pea), *Poa*, *Polyphagous*, *Secale cereale* (rye), *Sorghum bicolor* (sorgum, sorghum), Trifolium, *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn, maize) *Allium cepa* (bawang bombay, onion), *Allium porrum* (bawangdaun,leek), *Allium sativum* (bawang putih, garlic), *Apium graveolens* (seledri, celery), *Arachis hypogaea* (kacang tanah, groundnut, peanut), *Asparagus officinalis* (asparagus, asparagus), *Beta vulgaris var. saccharifera* (sugarbeet), *Brassica juncea var. juncea* (Indian mustard), *Brassica nigra* (black mustard), *Brassica oleracea* (kubis (cabbages),bunga kol(cauliflowers), *Brassica oleracea var. botrytis* (bunga kol,cauliflower), *Brassica oleracea var. italica* (brokoli,broccoli),	Quebec, Saskatchewan, Yukon Territory, Mexico, USA, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Dakota, Tennessee, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming), South America (Chile), Brazil Asia: Afghanistan, Armenia, China, Georgia, India, Iran, Japan, Korea, Lebanon, Pakistan, Turkey, Turkmenistan Europe:Belgium, Bulgaria, Czech Republic, Denmark, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Iceland, Italy, Netherland, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Ukraine, UK, Ireland Oceania: Australia, New Zealand.

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		Brassica oleracea var. viridis (collards), *Brassica rapa subsp. rapa* (turnip), *Capsicum annuum* (paprika,bell-pepper,red pepper), *Chamomilla recutita* (common chamomile), *Cicer arietinum* (chickpea), *Citrullus lanatus* (semangka, watermelon), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima* (waluh,labuparang, pumpkin), *Cucurbita pepo* (labukuning,zucchini), *Daucus carota* (wortel, carrot), *Fragaria ananassa* (strawberry), *Lactuca sativa* (selada, lettuce), *Lagenaria siceraria* (bottle gourd), *Lycopersicon esculentum* (tomat, tomato), *Malus domestica* (apel,apple), *Nicotiana tabacum* (tembakau,tobacco), *Petroselinum crispum* (peterseli,parsley), *Phaseolus* (beans), *Phaseolus lunatus* (lima bean), *Piper nigrum* (lada, pepper), *Prunus avium* (sweet cherry), *Prunus domestica* (plum), *Pyrus communis* (pir, pear), *Raphanus sativus* (lobak, radish), *Rubus fruticosus* (blackberry), *Rubus idaeus* (raspberry), *Solanum melongena* (terong,	

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			eggplant,auberginе), *Solanum tuberosum* (kentang, potato), *Spinacia oleracea* (bayam, spinach), *Vicia faba* (broad beam), *Vigna angularis* (adzuki bean), *Vitis vinifera* (anggur, grapevine)		
10.	*Cuscutaepilinum*(Weike);Convolvulaceae; flax dodder	II	Flax, Linseed	Africa:Ethiopia,Egypt,Morocco,SouthAfrica America: Canada,USA Asia: Cyprus Europe:all	
11.	*Cuscutaepithym um*(L.) Murr.(=C.*trifolii*); Convolvulaceae; alfalfa dodder	II	Herbaceous,Legume	Africa:South Africa America: NorthAmerica,Argentina,Bolivia,Brazil, Colombia, Chile,Venezuela,DominicanRepublic,Ecuador,Paraguay, Peru,Uruguay,FrenchGuiana Asia: Japan,WestAsia Europe:all Oceania:Australia	
12.	*Cuscutagronovii*(Willd.);Convolvulaceae;swamp dodder	II	Herbaceous,*Solanumtuberosum*(kentang,potato),*Pipernigrum*(lada,pepper), *Apium graveolens*(seledri,celery)	America: NorthAmerica Europe:all	
13.	*Cusatainadecora*(Choisy.);Convolvulaceae;thin-vine dodder	II	Leguminoceae	Africa:Morocco America: NorthdanArgentina,Bolivia,Brazil,Colombia,Chile, Venezuela,DominicanRepublic,Ecuador,Paraguay,Peru,	

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				Uruguay,FrenchGuiana Europe: Greece	
14.	*Cuscutajaponica*(Choisy); Convolvulaceae; dodder seed	II	*Solanumtuberosum*(kentang,potato) ,*Solanum melongena* (terong, eggplant,auberginе), *Lycopersicon esculentum* (tomat, tomato)	Asia: Japan	
15.	*Cuscutamonogyna*(Vahl.); Convolvulaceae; eastern dodder	II	Leguminoceae,*Citrus* spp. (jeruk,orange),Tamarix,Salix	Asia: CentralEast,Afghanistan Europe:France,SouthEurope Oceania:Mediteranean	
16.	*Cuscutapedicellata*(Ledeb) ; Convolvulaceae	II	Leguminoceae	Asia: CentralAsia,CentralEast Asia Oceania:EasternMediteranean	
17.	*Cuscutaplaniflora*(Ten.);(= C.Approximate}; Convolvulaceae; espaguete	II	Leguminoceae	America:NorthAmerica Asia:CentralAsia Oceania:Mediteranean	
18.	*Digitaria scalarum*(Schweinf.) Chiov.; (=*Digitaria abyssinica* =*D. abyssinicavar. scalarum* =*D. eichingeri* =*D. hackelii* =*D. merkeri* =*D. mutica* =*D. scalarum* =*D. somaliensis* =*D. tangaensis* =*D. vestita* =*Panicum abyssinicum* =*P. hackelii* =*P. kafuroense* =*P. muticum* =*P. scalarum*); Poaceae; cough grass	II	*Agave part oflana*, *Ananas comosus* (nenas, pineapple), *Coffea* spp. (kopi, coffee), *Gossyptium barbadens* (kapas, cotton), *Saccharum officinarum* (tebu, sugarcane), *Zea mays* (jagung, corn, maize) *Acacia* (wattles), *Camellia sinensis* (teh, tea), *Linum usitatissimum* (flax), *Musa* sp. (pisang, banana), *Phaseolus vulgaris* (common bean), *Tanacetum cinerarifolium* (Pyrethrum), *Triticum aestivum* (gandum, wheat)	Africa: Cameroon, Ethiopia, Malawi, Seychelles, Somalia, Sudan, Swaziland, Nigeria, South Africa, Kenya, Uganda, Burundi, Rwanda, Tanzania, Madagascar, Zambia, Zimbabwe Asia: Saudi Arabia, India, Sri Lanka	

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19.	*Emex australis* (Steinh.);Polygonaceae;Spiny Emex, doublegee, three-cornered jack	II	*Avena sativa* (oat, oats), *Brassica napus var. napus* (rape), *Cicer arietinum* (chickpea), *Hordeum vulgare* (barli, barley), *Lupinus spp.*, *Medicago sativa* (lucerne), *Medicago spp.*, *Pisum sativum* (kapri,sweetpea), *Secale cereale* (rye), *Triticale*, *Triticum aestivum* (gandum, wheat), *Vicia faba* (broad bean), *Vitis vinifera* (grapevine) *Allium cepa* (bawang bombay, onion), *Apium graveolens* (seledri, celery), *Arachis hypogaea* (kacang tanah, groundnut, peanut), *Brassica oleracea* (kubis (cabbages), bunga kol (cauliflowers), *Citrus*, *Coriandrum sativum* (coriander), *Dactylis glomerata* (orchardgrass), *Daucus carota* (wortel, carrot), *Festuca arundinacea* (reed fescue), *Glycine max* (kedelai, soybean), *Gossypium* (cotton), *Lens culinaris ssp. culinaris* (lentil), *Linum usitatissimum* (flax), *Malus domestica* (apel, apple), *Pastinaca sativa* (parsnip), *Prunus* (stone fruit), *Pyrus communis* (pir, pear), *Solanum melongena* (terung, eggplant,aubergine), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum,	Africa: Bostwana, Kenya, Lesotho, Madagascar, Malawi, Mauritius, Namibia, Ascension, South Africa, Tanzania, Zambia, Zimbabwe America: North America (USA, California, Hawaii), Central America & Caribbean (Trinidad and Tobago) Asia: Taiwan, India, Pakistan Oceania: Australia, New Zealand	

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			sorghum), *Trifolium spp.*, *Zea mays* (jagung, corn,maize)	
20. *Melampyrum arvense* (L.); Orobanchaceae; field cow-wheat, purple cow-wheat, horse flower	II		Cereal, *Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley)	Asia: West Asia Europe: West Europe, France, Belgium, Germany, Netherland
21. *Odontites verna* (Bell) Dum; (= *Bastsia odontites* = *O. serotinus* = *O. rubra gilib)*; Orobanchaceae; red bartsia, Eyebright, red rattle, Perlina di Primavera	II		Poaceae(grasses), Lucerne, *Triticum aestivum* (gandum, wheat)	America: North America Asia: Turkey Europe: Southeast Europe, Germany
22. *Orobanche cernua* (Loefl.);(= *O. cernua, O. bicolor, O. curviflora, O. hispanica, O. gallica, O. pogonanthera, O. nicotiana, O. glaucantha, O. cumana);* Orobanchaceae	II		Tananman Compositae, Solanaceae	Africa: Tanzania, Uganda, Algeria, Egypt, Ethiopia, Kenya, Morocco, Somalia, Sudan, Tunisia Asia: India, Afghanistan, China, Bahrain, Geogia, Irak, Israel, Jordania, Kuwait, Kazaktans, Lebanon, Mongolia, Nepal, Pakistan, Saudi Arabia, Syria, Turkey, Yemen Europe:Yugoslavia, Bulgaria, Czech Republic, Slovakia, France, Greece, Hongary, Italy, Rumania, Rusia, Spain, UK Oceania: Australia
23. *Orobanche foetida* (Poir.), Orobanchaceae; Broomrapes	II		Legumimosae/ Fabaceae	Africa: Morocco, Tunisia, Iberian Peninsula, Balearic Islands Europe: Spain
24. *Orobanche gracilis* (SM.); Orobanchaceae; Broomrapes	II		Legumimosae/ Fabaceae	Africa: Kenya, Uganda, Burundi, Rwanda, Tanzania Europe: Sout East Europe

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25.	*Orobanche ramosa* (L.); (= *O. Interrupta, O. Micrantha, Kopsia interrupta, O. cannabis, Philipaea ramosa, Phelipanche ramosa, Kopsia ramosa);* Orobanchaceae; Broomrapes	II	*Brassica* spp., *Lycopersicon esculentum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), *Solanum melongena* (terong, eggplant, aubergine) *Allium cepa* (bawang bombay, onion), *Apium graveolens* (seledri, celery), *Arachis hypogaea* (kacang tanah, groundnut, peanut), *Cannabis sativa* (hemp), *Capsicum annuum* (paprika, bell pepper, red pepper), *Carthamus tinctorius* (safflower), *Cicer aretinum* (chickpea), *Citrullus lanatus* (semangka, watermelon), *Cucumis melo* (melon), *Cucumis sativus* (mentimun, cucumber), Cucurbita (pumpkin), *Daucus carota* (wortel, carrot), *Foenicalum vulgare* (fennel), *Helianthus annuus* (bunga matahari, sunflower), *Lactuca sativa* (selada, lettuce), *Lens culinaris* ssp. culinaris (lentil), *Pastinaca sativa* (parsnip), *Pisum sativum* (kapri, sweet pea), *Prunus armeniaca* (apricot), *Solanum tuberosum* (kentang, potato), *Trifolium* spp., *Vicia faba* (broad bean)	Africa: North Africa, South Africa America: USA, Central America (Cuba), South America, Chile Asia: Armenia, Afghanistan, China, India, Iran, Irak, Israel, Jordan, Lebanon, Nepal, Oman, Saudi Arabia, Pakistan, Qatar, Syria, Turkey, Yemen Europe: Albania, Austria, Belarus, Belgium, Bulgaria, Cyprus, Czech Republic, Slovakia, France, Corsica, Germany, Greece, Hongary, Italy, Malta, Moldova, Netherland, Poland, Portugal, Rumania, Rusia, Spain, UK, Switzerland Oceania: Australia
26.	*Parthenium hysterophorus* L.; (= *ryyrochaeta bipinnatifida* Cav. =	II	*Abelmoschus esculentus* (okra, lady'sfinger), *Allium cepa* (bawang bombay, onion), *Anacardium*	Africa: Ethiopia, Kenya, Madagascar, Mauritius, Mozambique, Réunion, Comoros, Seychelles, South Africa,

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Villanova bimatifida Ortega) Asteraceae;parthenium weeds, congress grass, whiteheads, barley flower		*occidentale* (cashew nut), *Arachis hypogaea* (kacang tanah,groundnut, peanut), *Carica papaya* (pepaya,papaw, papaya), *Cicer arietinum* (chickpea), *Citrus*, *Cocos nucifera* (kelapa, coconut), *Coffea* (kopi, coffee), *Daucus carota* (wortel, carrot), *Eleusine coracana* (finger millet), *Eragrostis tef* (teff), *Gossypium* (kapas, cotton), *Helianthus annuus* (bunga matahari, sunflower), *Lycopersicon esculentum* (tomat,tomato), *Mangifera indica* (mangga,mango), *Musa* (pisang,banana), *Pastures*, *Phaseolus* (beans), *Psidium guajava* (jambu biji, guava), *Saccharum officinarum* (tebu, sugarcane), *Sesamum indicum* (sesame), *Solanum melongena* (terung, eggplant, aubergine), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), *Zea mays* (Jagung, corn, maize), *Radish*	Somalia, Mayotte, Swaziland, Tanzania, Uganda, Zimbabwe America: Bermuda, North America (Mexico, USA)Tropical America, Caribbean Island, Central America (Barbados, Belize, Bahama, Cuba, Dominican Republik, Haiti, Honduras, Jamaica, Poerto Rico, Costa Rica), South America (Argentina, Bolivia, Brazil, Ecuador, Guyana, Paraguay, Suriname, Venezuela, Uruguay) Asia: Bangladesh, Bhutan, China, Taiwan,India, Israel, Jepang, Vietnam, Nepal, Pakistan Europe: Belgium Oceania: Eastern Queensland, Australia, Frenche Polinesia, New Caledonia, Vanuatu
27. *Praxelis clematidea* R.M. King & H. Robinson; (=*Eupatorium catarium* Veldk.); Asteraceae	II	Pasture, *Saccharum officinarum* (tebu, sugarcane)	America: Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana, Guyana Asia: Hongkong, China Oceania: Australia

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28.	*Rhamphicarpa fistulosa* (Hochst)Benth; (= *R. Longiflora*); Schropulariaceae	II	*Oryza sativa* (padi, rice, paddy), *Zea mays* (jagung, corn, maize), Rumput-rumputan	Africa: Africa Tropic, South Africa, Tanzania, Kayela, Mbunga
29.	*Rhinanthus angustifolius* (C. Gmelin); (=*Alecterolophus major* = A. *glaber*= A. *montanus* = *R. apterus* = *R. glaberR. major* = *R. serotinus*); Orobanchaceae; greater yellow-rattle	II	*Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley)	America: North America Asia: Turkey, Caucasus, Armenia, Azerbaijan, Georgia Europe: Denmark, Finland, Norway, Sweden, United Kingdom, Austria, Belgium, Czech Republic, Germany, Hungary, Netherland, Poland, Switzerland, France, Belarus, Estonia, Latvia, Lithuania, Moldova, Ukraine, Bulgaria, Romania, Slovenia, Macedonia, Croatia, Balkans, Russia
30.	*Rhinanthus minor* (L.); Orobanchaceae; yellow rattle, cockscomb	II	*Triticum aestivum* (gandum, wheat), *Hordeum vulgare* (barli, barley)	America: North America, Canada, USA Asia: West Asia, Siberia Europe: Russia
31.	*Striga aspera* (Willd.), (= *Euphrasia aspera* Willd); Orobanchaceae; parasitic weed, witchweed	II	*Zea mays* (jagung, corn,maize), millet, *Oryza sativa*(padi, rice, paddy) *Sorghum bicolor* (sorgum, sorghum)	Africa: Benin, Burkina Faso, Cameroon, Sudan, Ethiopia, Tanzania, Gambia, Malawi, Niger, Nigeria, Mali, Senegal, Togo
32.	*Striga forbesii* (Benth);Orobanchaceae; parasitic weed, *Buchera forbesii* (Benth) D. Dietr.; giant maize witchweed, giant mealie witchweed	II	*Zea mays* (jagung, corn,maize), *Sorghum bicolor* (sorgum, sorghum)	Africa:Madagascar, South Africa
33.	*Striga gesnerioides*(Willd) Vatke; (=*S. Orobanchoides* =	II	*Nicotianatabacum* (tembakau,tobacco), *Ipomoeabatatas*(ubijalar,sweet	Africa: Sudan, Egypt, Ethiopia, Guinea, Kenya, Mozambique, Sudan, Zimbabwe

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	Buchnera gesnerioides);Orobanchaceae; cowpea witchweed		potato), *Vigna*spp.(cowpea)	America: USA, Florida, Guyana Asia: Morocco, Sri Langka, India, Saudi Arabia, Cambodia, Japan, Nepal, Oman, Pakistan, Yemen Oceania: Australia
34.	*Striga hermonthica* (Delile)Benth.; (= *S. senegalensis*);Scrophulariaceca; parasitic weed, purple witchweed	II	*Eleusine coracana* (finger millet), *Oryza sativa*(padi, rice, paddy), Panicum (millets), *Saccharum officinarum* (tebu,sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Zea mays* (jagung, corn,maize) *Eragrostis tef* (teff), *Hordeum vulgare* (barli, barley)	Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Congo, Egypt, Gambia, Malawi, Mali, Mauritania, Morocco, Mozambique, Niger, Nigeria, Ghana, Gambia, Guinea, Kenya, Namibia, Madagascar, Sudan, Ethiopia, Rwanda, Senegal, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: Cambodia, Saudi Arabia, Yemen, Peninsula
35.	*Striga latericea* (Vatke); (= *S. somaliensis*);Orobanchaceae; parasitic weed, cowpea witchweed	II	*Saccharum officinarum* (tebu, sugar cane)	Africa: Ethiopia, Tanzania, Kenya, Somalia, Mali, Central Africa Republic
36.	*Striga passargei*[Engl.];Orobanchaceae; parasitic weed	II	*Zea mays* (jagung, corn,maize)	Africa: Senegal, Sudan, Tanzania, Nigeria Asia: Saudi Arabia
37.	*Thesium australe* (R. Br.); Santalaceae; Austral toadflax, Australian Toadflax	II	*Hordeum vulgare* (barli, barley), grasses, *Saccharum officinarum* (tebu, sugar cane)	Oceania: Australia
38.	*Thesium humile* (Vahl.); Santalaceae; lesser bastardtoadflax	II	*Hordeum vulgare* (barli, barley), grasses, *Saccharum officinarum* (tebu, sugar cane)	Africa: North Africa Asia: Israel Europe: Spain

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39.	*Thesium resdoides*;Santalaceae	II	*Hordeum vulgare* (barli, barley), grasses, *Saccharum officinarum* (tebu, sugar cane)		Africa: South Africa

VI. CENDAWAN (*FUNGAL/FUNGAL LIKE ORGANISM/PSEUDOFUNGY*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA / *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	[a]: - [s]: *Claviceps africana* (Fr.) ; =Sphacelia sorghi; Ascomycota, Pezizomycotina, Sordariomycetes	I	*Sorghum bicolor* (sorgum, sorghum) *Sorghum halepense* (Johnson grass)	biji, media tanam	Africa: Angola, Botswana, Burundi, Ethiopia, Ghana, Kenya, Lesotho, Malawi, Mozambique, Nigeria, Rwanda, Senegal. Swaziland, Tanzania, Uganda, Zambia, Zimbabwe. America: Argentina, Bolivia, Brazil, Colombia, Dominica, Haiti, Honduras, Jamaica, Mexico, Puerto Rico, Paraguay, USA, Uruguay, Venezuela. Asia: India, Japan, Thailand, Yemen. Oceania: Australia.
2.	[a]: - [s]: *Claviceps gigantea* (Fuentes), de la Ista, Ullstrup &	I	*Zea mays* (jagung, corn, maize)	biji, media tanam	America: Mexico

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	Rodrigues(1964); (=*Sphacelia gigantea*); Ascomycota, Pezizomycotina, Sordariomycetes; ergot of maize, horse's tooth				
3.	[a]: - [s]: *Sphacelia segetum* Lév., 1827 (=*Claviceps purpurea* (Mantle); =*Sphacelia sorghi* =Claviceps microcephala (Wallr.) Tul., 1853; Ascomycota, Pezizomycotina, Sordariomycetes; sugary disease	I: jika MP tidak diproses II: jika MP diproses	*Agrostis* (bentgrasses), *Avena sativa* (oat, oats), *Cynodon* (quickgrass), *Festuca* (fescues), *Hordeum* (barleys), *Hordeum vulgare* (barley), *Lolium* (rye grasses), *Lolium perenne* (perennial rye grass), *Phleum* (timothies), *Poa* (meadow grass), *Poa pratensis* (smooth-stalked meadowgrass), *Poaceae* (grasses), *Secale* (rye), *Secale cereale* (rye), *Sorghum bicolor* (sorgum, sorghum), *Triticum* (wheat), *Triticum aestivum* (gandum, wheat) *Bromus* (bromegrasses), *Echinochloa* spp., *Panicum* (millets), *Pennisetum* (feather grass)	biji, media tanam	Africa: Algeria, Ethiopia, Guinea, Kenya, Malawi, Mauritania, Mauritius, Morocco, South Africa (Sudan, Tanzania, Zimbabwe). America: Canada, Mexico, USA, Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana Asia: Armenia, China, India, Iran, Israel, Japan, Kazakhstan, South Korea, Kyrgyzstan, Nepal, Philippines, Turkey. Europe: Austria, Belgium, Bulgaria, Czech, Denmark, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and

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					Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand.	
4.	[a]: - [s]:*Moniliophthora perniciosa* (Stahel) Aime & Phillips-Mora (2006) =*Marasmius perniciosus* (Stahel, 1915) =*Crinipellis perniciosa* (Stahel) (Singer, 1943) Basidiomycota, Agaricomycotina, Agaricomycetes; cocoa witches' broom disease	I: jika MP tidak diproses II: jika MP diproses	*Theobroma cacao* (kakao, cocoa), *Bixa orellana*	bagian tanaman	America: Belize, Bolivia, Brazil, Colombia, Dominica, Ecuador, Grenada, Guyana, Panama, Peru,St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela	
5.	[a]: - [s]: *Exobasidium reticulatum* Ito & Sawada; Basidiomycota, Ustilaginomycotina, Exobasidiomycetes; net blister blight of tea	I: jika MP tidak diproses II: jika MP diproses	*Camellia sinensis* (teh, tea)	daun, batang muda	Asia: China, Taiwan, Japan, Malaysia	
6.	[a]: - [s]: *Fomes robiniae* (Murr) Sacc and D. Sacc *(1905)* =*F. rimosus* =*Phellinus robiniae* (Murrill) A. Ames 1913 =*Pyropolyporus robiniae* Murrill 1903 =*Fulvifomes robiniae* (Murrill) Murrill 1914; Basidiomycota,	I: jika MP tidak diproses II: jika MP diproses	*Albizia falcataria (L.), Albizia lelbeck, Robinia pseudo acacia, Anogeissus latifolia, Boswellia serrata, Casuarina strieta, Dalberbia sissoo, Eucalyptus* spp, *Querus* sp., *Shrea robusta, Terminalia bellarica, Terminalia tomentosa, Morus alba, Pistacia lentiscus*	batang, akar	Africa: Jamaica Asia: India, Ceylon, Pakistan Oceania: Australia, Samon	

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	Agaricomycotina, Agaricomycetes; Yellow spongy rot				
7.	[a]: - [s]:*Fomitopsis pinicola*(Sw.: Fr.) P. Karst. 1881; (=*Boletus pinicola* Sw.: Fr. 1810; *Fomes pinicola* (Sw.: Fr.) Fr. 1849; *Placodes pinicola* (Sw.: Fr.) Pat. 1887; *Polyporus pinicola* (Sw.: Fr.) Fr. 1821; *Pseudofomes pinicola* (Sw.: Fr.) Lázaro Ibiza 1916; *Trametes pinicola* (Sw.: Fr.) P. Karst. 1882 Basidiomycota, Agaricomycotina, Agaricomycetes; brown crumbly rot, pinicola conk, red belt fungus, root rot conifers, brown rot of conifers, brown cubical heart rot of fir	I: jika MP tidak diproses II: jika MP diproses	*Abies alba* (silver fir), *Abies amabilis* (Pacific silver fir), *Abies concolor* (Rocky Mountain white fir), *Abies holophylla* (Manchurian fir), *Abies magnifica* (red fir), *Abies nephrolepis* (Khingan fir), *Abies*sprocera (noble fir), *Abies religiosa* (sacred fir), *Acer macrophyllum* (broadleaf maple), *Agathis*, *Betula papyrifera* (paper birch), *Larix gmelinii* (Dahurian larch), *Picea abies* (common spruce), *Picea glauca* (white spruce), *Picea jezoensis* (Yeddo spruce), *Picea koraiensis* (Korean spruce), *Picea mariana* (black spruce), *Picea obovata* (Siberian spruce), *Picea rubens* (red spruce), *Picea sitchensis* (Sitka spruce), *Pinus contorta* (lodgepole pine), *Pinusedulis* (pinyon), *Pinus flexilis* (limber pine), *Pinus koraiensis* (fruit pine), *Pinus sylvestris* (Scots pine), *Prunus persica* (peach),	batang, akar	Africa: Egypt, Morocco America: Guatemala, Canada, Mexico, USA, Brazil Asia: Armenia, Azerbaijan, China, Taiwan, India, Iran, Israel, Japan, Kazakhstan, Nepal, Pakistan, Philippines, Thailand, Turkey Europe: Austria, Belarus, Bulgaria, Czech Republic, Denmark, Estonia, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia,

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		Prunus sargentii (sargent's cherry), *Prunus serotina* (black cherry), *Pseudotsuga menziesii* (Douglas-fir), *Tsuga heterophylla* (western hemlock), *Tsuga mertensiana* (Patton's hemlock), *Vitis* (grape) *Abies balsamea* (balsam fir), *Abies grandis* (grand fir), *Abies lasiocarpa* (rocky mountain fir), *Abies nordmanniana* (Nordmann fir), *Acer pictum* (painted maple), *Alnus glutinosa* (European alder), *Alnus incana* (grey alder), *Betula alleghaniensis* (yellow birch), *Betula pendula* (common silver birch), *Betula platyphylla* (Manchurian birch), *Betula populifolia* (gray birch), *Calocedrus decurrens* (bastard cedar), *Carpinus betulus* (hornbeam), *Carpinus cordata* (heart-leaved hornbeam), *Carya* (hickories), *Castanea* (chestnuts), *Chamaecyparis nootkatensis* (Alaska cedar), *Corylusavellana* (hazel),		

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		Fagus grandifolia (American beech), *Fagus sylvatica* (common beech), *Larix kaempferi* (Japanese larch), *Larix komarovii*, *Larix laricina* (American larch), *Magnolia*, *Malus domestica* (apple), *Picea engelmannii* (Engelmann spruce), *Picea pungens* (blue spruce), *Pinus lambertiana* (big pine), *Pinus monophylla* (single-leaf pinyon pine), *Pinus ponderosa* (ponderosa pine), *Pinus sibirica* (Siberian stone pine), *Pinus strobus* (eastern white pine), *Pinus tabuliformis* (chinese pine), *Platanus occidentalis* (sycamore), *Platanus orientalis* (plane), *Populus grandidentata* (Bigtooth aspen), *Populus maximowiczii* (Japanese poplar), *Populus nigra* (black poplar), *Populus tremula* (aspen (European)), *Populus tremuloides* (trembling aspen), *Prunusavium* (sweet cherry), *Prunus salicina* (Japanese plum), *Salix alba* (white willow), *Salix caprea*		

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		(pussy willow), *Salix fragilis* (crack willow), *Sequoia sempervirens* (coast redwood), *Sorbus aucuparia* (mountain ash), *Thuja occidentalis* (Eastern white cedar), *Thuja plicata* (western redcedar), *Tilia cordata* (small-leaf lime), *Tsuga canadensis* (eastern hemlock)			
8.	[a]: - [s]:*Gaeumannomyces graminis* var. *graminis* (Sacc.) Arx & D.L. Olivier (1952); (=*Rhaphidophora graminis* Sacc. (1875); *Gaeumannomyces graminis* (Sacc.) Arx & D. Olivier (1952); *Ophiobolus graminis* (Sacc.) Sacc. (1881); *Ophiobolus oryzinus* Sacc. (1916); *Linocarpon oryzinum* (Sacc.) Petr. (1952); *Gaeumannomyces oryzinus* (Sacc.) Schrantz (1961) Ascomycota, Pezizomycotina, Sordariomycetes; crown sheath rot, crown sheath	I: jika MP tidak diproses II: jika MP diproses	*Oryza sativa* (padi, paddy), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn, maize), *Zizania* spp., *Avena* spp., secale, Poaceae, *Cynodon* spp., *Eremochloa ophiuroides*, *Pennisetum clandestinum*, *Stenotaphrum secundatum*, *Zoysia japonica*	akar, batang, daun, biji, media tanam	Africa: Egypt, South Africa America: Peru, USA Asia: India, Philippines

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	rot of rice, patch disease of turf, white-heads of grasses					
9.	[a]: - [s]: *Leptosphaeria taiwanensis* W.Y. Yen & C.C. Chi: 213 (1952); (=*Didymella taiwanensis* (J.M. Yen & C.C. Chi) Shoemaker & C.E. Babc., (1989); *Sacchariola taiwanensis* (J.M. Yen & C.C. Chi) O.E. Erikss. & D. Hawksw., (2003) Ascomycota, Pezizomycotina, Dothideomycetes; sugar cane leaf blight	I: jika MP tidak diproses II. jika MP diproses	*Saccharum officinarum* (tebu, sugarcane)	daun		Asia: Taiwan
10.	[a]: - [s]:*Marasmiellus cocophilus* Pegler; Basidiomycota, Agaricomycotina, Agaricomycetes; basal stem break, lethal bole rot of coconut	I: jika MP tidak diproses II. jika MP diproses	*Cocos nucifera* (kelapa, coconut) *Cynodon dactylon*, *Echinochloa colona*, *Eleusine indica*	buah, daun, batang, media tanam		Africa: Kenya,Tanzania Oceania: Solomon Islands
11.	[a]: - [s]:*Marasmiellus inoderma* (Berk.) Singer (1955); (=*Marasmius inoderma* Berk. Basidiomycota, Agaricomycotina,	I: jika MP tidak diproses II. jika MP diproses	*Oryza sativa* (padi, paddy) *Zea mays* (jagung, corn, maize), *Musa* spp. (pisang, banana), Orchidaceae (anggrek, orchids)	akar, daun, batang, tanaman, tanah.		Africa: Egypt Oceania: Samoa America, Samoa

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	Agaricomycetes; crown rot of rice, pre-emergence shoot rot, root rot of maize, sheath rot of maize				
12.	[a]: - [s]:*Microthyriella rubiPetr.*(=*Schizothyrina rubiSchizothyrina rubi (Petr.)*) Ascomycota, Pezizomycotina, Dothideomycetes; fly speck	I: jika MP tidak diproses II. jika MP diproses	*Vitis vinifera* (anggur, grapevine), *Malus domesticum (*apel, apple*)*, *Citrus* spp.(jeruk, orange)	buah	America: USA Asia: China, India, Japan
13.	[a]: - [s]:*Moniliophthora roreri* (Cif.) H.C. Evans, Stalpers, Samson & Benny (1978); (= *Monilia roreri* Cif. (1933) Basidiomycota, Agaricomycotina, Agaricomycetes; frosty pod rot, monilia pod rot, pod rot of cocoa, quevedo disease, watery pod rot of cocoa	I: jika MP tidak diproses II. jika MP diproses	*Theobroma cacao* (kakao, cocoa)	buah, biji	America: Brazil, Colombia,Costa Rica, Ecuador, Guatemala, Honduras, Nicaragua, Panama, Peru, Venezuela
14.	[a]: - [s]:*Laetiporus baudonii* (Pat.) Ryvarden (1991); (=*Polyporus baudonii* Pat. (1914) =*Polyporus baudoni* = *Cladoporus baudonii* (Pat.) Teixeira (1994) =*Pseudophaeolus*	I: jika MP tidak diproses II. jika MP diproses	*Manihot esculenta* (singkong, cassava),	umbi, akar, batang	Africa: Madagascar

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	baudonii (Pat.) Ryvarden (1975) =*Phaeolus manihotis* R. Heim (1931) Basidiomycota, Agaricomycotina, Agaricomycetes; root rot				
15.	[a]: - [s]: *Podosphaera clandestina var. clandestina, (1851);* (=*Alphitomorpha clandestina Waltr., (1819)* =*Erysiphe clandestina (Waltr.) Link, (1824)* =*Erysiphe oxyacanthae DC., (1815)* =*Podosphaera kunzei Lév., (1851)* =*Microsphaera fulvofulcra Cooke (1851)* =*Podosphaera minor Howe, (1874)* Ascomycota, Pezizomycotina, Leotiomycetes; powdery mildew of cherry; powdery mildew of hawthorn; mildew of quince	I: jika MP tidak diproses II. jika MP diproses	*Crataegus monogyna* (hawthorn), *Cydonia oblonga* (quince), *Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus domestica* (plum), *Prunus salicina* (Japanese plum)	daun, buah, batang muda	Africa: Libya, Mauritius, Morocco, Zimbabwe America: Canada, USA Asia: Armenia, Azerbaijan, China, India, Iran, Iraq, Japan, Kazakhstan, Korea Republic of (South Korea), Kyrgyzstan, Lebanon, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Ukraine, UK Oceania: Australia, New Zealand	

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16.	[a]: *Sclerotium cepivorum* [s]:*Stromatinia cepivorum* (Berk.) Whetzel ; ≡Stromatinia cepivora (Berk.,1945) =Stromatinia cepivorum (Berk., 1945) Basidiomycota, Agaricomycotina, Agaricomycetes; white rot of onion and garlic, onion white root rot, bulb rot of onion, Allium white rot, onion white rot	I: jika MP tidak diproses II. jika MP diproses	*Allium* (onions, garlic, leek, etc.), *Alliumcepa* (onion), *Allium cepa* var. *aggregatum* (shallot), *Allium fistulosum* (Welsh onion), *Allium porrum* (leek), *Allium sativum* (garlic), *Allium schoenoprasum* (chives)	umbi, akar, batang	Africa: Egypt, Libya, South Africa, Uganda, Zimbabwe America: Canada, Mexico, USA, Argentina, Bolivia, Brazil, Chile, Colombia, Guyana, Uruguay, Venezuela Asia: China, India, Iran, Japan, Philippines Europe: Austria, Bulgaria, Cyprus, Czech Republic and Slovakia, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Portugal, Romania, Russia, Serbia and Montenegro, Spain, Sweden, Switzerland, UK Oceania: Australia, New Zealand
17.	[a]: - [s]:*Sporisorium cruentum*(J.G. Kühn) Vanky (1985); (=*Sphacelotheca cruenta*(J.G. Kühn) Potter(1912) =*S.holci* =*Ustilago cruenta*J.G. Kühn (1872) =*Endothlaspis sorghi* Sorokin (1890) =*Cintractia sorghi* (Sorokin) De Toni (1888)	I: jika MP tidak diproses II. jika MP diproses	*Sorghum bicolor* (sorgum, sorghum) *Saccharum officinarum* (tebu, sugarcane)	biji	Africa: Botswana, Burundi, Cameroon, Central Africa, Chad, DR Congo, Ethiopia, Gambia, Ghana, Kenya, Malawi, Mauritius, Morocco, Mozambique, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Barbados, Brazil, Cuba, El Salvador, Guatemala, Haiti, Honduras,

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	=*Sphacelotheca sorokiniana* Cif. (1928) =*Ustilago sorghi* Pass. (1873) Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; loose kernel smut, loose smut, sorghum loose kernel smut				Jamaica, Mexico, Nicaragua, Puerto Rico, USA,Venezuela Asia: Afghanistan, China, Taiwan, India, Iran, Iraq, Israel, Japan, South Korea, Lebanon, Myanmar, Pakistan, Turkey, Yemen Europe: Bulgaria, Cyprus, Czech, Slovakia, Germany, Greece, Hungary, Italy, Poland, Rusia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
18.	[a]: - [s]:*Tilletia indica* Mitra(1931)(=*Neovossia indica*(Mitra) Mundk (1940); Basidiomycota, Ustilaginomycotina, Exobasidiomycetes; Karnal bunt of wheat, Indian bunt of wheat, partial bunt of wheat, new bunt	I: jika MP tidak diproses II. jika MP diproses	*Triticum aestivum* (gandum, wheat)	bjji	Africa: South Africa, Mexico, USA Asia: Afghanistan, India, Iran, Iraq, Nepal, Pakistan
19.	[a]: - [s]:*Tilletia laevis* J. G. Kühn(1873); (=*Tilletia foetens* (Berk. & M.A. Curtis) J. Schröt (1877) =*Tilletia foetida* =*Ustilago foetens*Berk. & M.A.	I: jika MP tidak diproses . II. jika MP diproses	*Triticum aestivum* (gandum, wheat)	bjji, batang, bunga	Africa: Algeria, Angola, Egypt, Ethiopia, Kenya, Lesotho, Libya, Morocco, Somalia, South Africa, Tunisia, Zimbabwe America: Argentina, Canada, Chile, Colombia, Mexico, Peru,

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	Curtis (1874); Basidiomycota, Ustilaginomycotina, Exobasidiomycetes; common bunt, complete bunt, covered smut, hill bunt, smooth-spored wheat bunt, stinking bunt, stinking wheat smut				USA, Uruguay, Venezuela, Asia: Afghanistan, Armenia, Azerbaijan, China, India, Iran, Iraq, Israel, Japan, Kazakhstan, Korea, Lebanon, Mongolia, Nepal, Pakistan, Saudi Arabia, Syria, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia,France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Rusia, Slovakia, Slovenia, Spain, Switzerland, Ukraine Oceania : Australia, New Zealand
20.	[a]: - [s]:*Tilletia tritici* (Bjerk.) G. Winter (1884); (=*Tilletia caries* (DC.) Tul. & C. Tul. (1847) =*Uredo caries* DC. (1815) =*Uredo Sitophila Ditmar* (1816) =*Caeoma sitophilum* (Ditmar) Link (1825) =*Tilletia sitophila* (Ditmar) J. Schröt. (1877)	I: jika MP tidak diproses II. jika MP diproses	*Triticum* spp. (gandum, wheat) *Agropyron* spp., *Bromus*spp., *Elymus*spp., *Festuca*spp., *Hordeum*spp., *Poa*spp., *Secale sereale*, *Lolium* spp.	biji, bunga, batang	Africa: Algeria, Egypt, Ethiopia, Lesotho, Libya, Morocco, South Africa, Tunisia, Uganda, Zimbabwe America: Argentina, Canada, Chile, Colombia, Ecuador, Guatemala, Mexico, Nicaragua, Peru, USA, Uruguay, Venezuela Asia: Afghanistan, Armenia,

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Basidiomycota, Ustilaginomycotina, Exobasidiomycetes; complete bunt, covered smut, hill bunt, rough-spored wheat bunt, stinking smut, wheat bunt, common bunt					Azerbaijan, Bhutan, China, Taiwan, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Korea, Kyrgyzstan, Lebanon, Mongolia, Pakistan, Saudi Arabia, Syria, Turkey, Uzbekistan Europe: Austria, Belgium,Bulgaria, Croatia, Cyprus, Czech, Slovakia, Denmark, Estonia, Finland, France, Germany,Greece,Ireland, Italy, Latvia, Lithuania, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Rusia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand
21. [a]: - [s]:*Urocystis agropyri*(Preuss) A.A. Fisch. Waldh. (1867); (=*Uredo agropyri* Preuss (1848) =*Polycystis agropyri* (Preuss) J. Schröt. (1877)	I: jika MP tidak diproses II. jika MP diproses	*Triticum aestivum* (gandum, wheat) *Agropyron*, *Elymus repens*, *Agropyron smithii*, *Agrostis stolonifera* var. *palustris*, *Agrostis capillaris*, *Alopecurus*, *Avena sativa* (oat, oats), *Bromus*	bunga, daun,tang kai malai, biji		Africa: Algeria, Egypt,Morocco, South Africa, Tunisia America: Argentina, Canada, Chile, Falkland Islands, Greenland, Guatemala, Mexico, USA, Uruguay, Venezuela Asia: Afghanistan,

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	=*Tuburcinia agropyri* (Preuss) Liro (1922) =*Tubircinia agropyri-juncei* Vienn.-Bourg. (1954) =*Urocystis agropyri-juncei* (Vienn.-Bourg.) H. Zogg. (1986) =*Tuburcinia elymi* Cif. (1931) =*Urocystis elymi* (Cif.) Schwarzman (1960) =*Urocystis preussii* J.G. Kühn (1874) Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; flag smut, flag smut of wheat, stem smut, stripe smut		*carinatus, Bromus marginatus, Carex, Dactylis glomerata, Elymus, Festuca rubra, Lolium, Phleum pratense, Poa* spp., *Trisetum*			China,Taiwan, India, Iran, Iraq, Israel, Japan, Kazakhstan, Korea, Mongolia, Nepal, Pakistan, Syria, Turkey, Uzbekistan Europe: Baltic area, Bulgaria, Cyprus, Czech, Slovakia, Denmark, Estonia, Finlania, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Rusia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand
22.	[a]: - [s]:*Urocystis cepulae*Frost. (1877)(=*Tuburcinia cepulae* Frost (1877) =*Urocystis magica* Pass. (1875) =*Tuburcinia magica* (Pass.) Liro (1922) =*Urocystis allii* Schellenb. (1911) =*Tuburcinia allii* (Schellenb.) Liro (1922) =*Tuburcinia oblonga* Massenot (1953) =*Urocystis oblonga* (Massenot) H. Zogg (1986) Basidiomycota,	I: jika MP tidak diproses II. jika MP diproses	*Allium* spp. *Anthirinum* sp.	umbi, daun, batang		Africa: Egypt, Gabon, Morocco America: Canada,Chile, Cuba, Mexico, Peru, Puerto Rico, St. Lucia, USA Asia: China, Taiwan, India, Iran, Iraq, Japan, Kazakhstan, Korea, Nepal, Pakistan, Philippines, Tajikistan, Thailand Europe: Austria, Belgium, Bulgaria, Czech, Slovakia, Malta, Denmark, Finlania, France, Germany, Greece, Italy, Netherlands, Norway, Romania, Rusia,

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	Ustilaginomycotina, Ustilaginomycetes; leek smut, *onion* smut				umbi, daun	Slovakia,Sweden, Switzerland, UK,Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand
23.	[a]: - [s]:*Urocystis gladiolicola*Ainsw. (1950); (=*Tuburcinia gladiolicola* (Ainsw.) Cif. (1963) Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; smut	I: jika MP tidak diproses II. jika MP diproses	*Gladiolus* spp.			Asia: Iran
24.	[a]: - [s]: *Ustilago nuda* f.sp*tritici* (Schaffnit); (=*Ustilago nuda* f.sp. *hordei*); Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; barley loose smut	I: jika MP tidak diproses II. jika MP diproses	*Triticum aestivum* (gandum, wheat), *Secale sereale* (barley)		bunga, daun, tangkai malai, biji	Africa: Egypt America: Canada, USA Asia: China, India, Pakistan Europe: Ireland, Rusia, Switzerland, UK Oceania: Australia
25.	[a]: - [s]:*Ustilago violacea*(Pers.) Roussel; (=(=*Microbotryum violaceum* (Pers.) G. Deml & Oberw. =*Uredo violacea* Pers. =*Caeoma violaceum* (Pers.) Nees =*Uredo antherarum* DC. =*Ustilago antherarum* (DC.) Fr.	I: jika MP tidak diproses II. jika MP diproses	*Silene pratensis*, *Cerastium*, *Dyanthus*,Caryophyllaceae		bunga, daun, tangkai malai, biji	America: North America, USA Europe: Sweden,

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	=*Caeoma antherarum* (DC.) Schltdl. =*Microbotryum antherarum* (DC.) Lév. =*Erysibe antherarum* (DC.) Wallr. =*Ustilago silenes-nutantis* Liro) Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; Caryophyllaceae anther smut				
26.	[a]: - [s]: Sphacelotheca reiliana (J. G. Kühn) G.P Clinton;(=Cintractia reiliana (J. G. Kühn) Clinton =Sorosporium holci-sorghi (Rivolta) Moesz =Sorosporium reilianum(J.G. Kühn) McAlpine =Sphacelotheca holci-sorghi (Rivolta) Cif. =Sporisorium holci-sorghi (Rivolta) Vánky =Sporisorium reilianum(J. G. Kühn) Langdon & Full. =Ustilago holci-sorghi Rivolta =Ustilago reiliana J. G. Kühn) Basidiomycota;	I: jika MP tidak diproses II. jika MP diproses	*Sorghum sudanense*, *Sorghum bicolor* (sorgum, sorghum), *Zea mays* (jagung, corn, maize), *Zea mays* subsp. *mays* (sweet corn) Andropogon, *Zea mexicana* (*Zea mays* subsp. *mexicana*)	biji, bunga, daun, akar, batang, media tanam	Africa: Burkina Faso, Burundi, Cameroon, Chad, DR Congo, Egypt, Erythrea, Ethiopia, Ghana, Kenya, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Argentina, Barbados, Bolivia, Brazil, Canada, Chile, Colombia, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Panama, USA, Uruguay Asia: Bhutan, China, India, Iran, Iraq, Israel, Japan, Kazakhstan, Korea Republic of, Malaysia, Myanmar, Nepal,

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	Microbotryales;Microbotryaceae; Head smut of maize, loose smut				Pakistan, Philippines, Taiwan, Yemen Europe: Austria, Bulgaria, Cyprus, Czech Republic and Slovakia, Estonia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Serbia and Montenegro,Moldova, Macedonia, France, Germany, Greece, Hungary, Italy, Poland, Portugal, Romania, Russia, Spain, Switzerland, Ukraine Oceania: Australia, New Zealand, Papua New Guinea
27.	[a]:*Alternaria citri*Ellis & N. Pierce(1992); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; stalk end rot, stem end rot, navel end rot, core rot of citrus, black rot of citrus fruit, brown spot of citrus, black rot of *Citrus*, fruit rot of *Citrus*, core rot of *Citrus*.	I: jika MP tidak diproses II. jika MP diproses	*Citrus* sp., *Citrus jambhiri* (rough lemon), *Citrus junos* (yuzu), *Citrus limon* (lemon), *Citrus medica* (citron), *Citrus reticulata* (mandarin), *Citrus sinensis* (navel orange)	buah, dan daun.	Africa: Egypt, Kenya, Libya, Malawi, Morocco, Mozambique, Nigeria, South Africa, Sudan, Tanzania, Uganda, Zambia, Zimbabwe America: Cuba, Jamaica, Puerto Rico, North America, Mexico, USA, Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana, Argentina, Paraguay, Uruguay Asia: Bhutan, China, India, Iran, Iraq, Israel, Japan, Korea Republic of (South Korea), Myanmar, Nepal, Pakistan,

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						Turkey, Vietnam Europe: Bulgaria, Cyprus, France, Greece, Italy, Malta, Portugal, Russia, Spain Oceania: Australia, New Zealand
28.	[a]:*Aposphaeria ulei* Henn. (1904); (= *Fusicladium heveae* K. Schub. & U. Braun (2003) =*Fusicladium macrosporum* Kuyper (1911) =*Passalora heveae* Massee 1913 [s]:*Microcyclus ulei* (Henn.) Arx (1962); (=*Dothidella ulei* Henn. (1904) =*Melanopsammopsis ulei* (Henn.) Stahel (1917) Ascomycota, Pezizomycotina, Dothideomycetes; American leaf blight of rubber	I: jika MP tidak diproses II. jika MP diproses	*Hevea brasiliensis* (karet, rubber tree)	tanaman, batang muda, daun, buah, alat angkut, alat pertanian, media pembawa lainnya		America: Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador,El Salvador, Guyana France, Guatemala, Guyana, Haiti, Honduras, Mexico, Nicaragua, Panama, Peru, Suriname, Trinidad and Tobago, Venezuela
29.	[a]:*Armillaria heimii* Pegler (1977); (=*Clitocybe elegans* R. Heim (1963); *Armillariella elegans* (R. Heim, 1974) [s]: - Basidiomycota, Agaricomycotina, Agaricomycetes; armillaria	I: jika MP tidak diproses II. jika MP diproses	*Anacardium occidentalis* (jambu mede, cashew nut), *Camellia cinensis* (teh, tea), *Coffea arabica* (kopi, arabica coffe), *Coffea canephora* (kopi, robusta coffea), *Hevea brasiliensis* (karet, rubber), *Manihot esculenta* (ubi kayu, cassava), *Pinus ellioti* (slash	akar, batang, tanah		Africa: Angola, Cameroon, DR Congo, Congo, Ivory Coast, Ethiopia, Gabon, Kenya, Madagascar, Mozambique, Nigeria, Reunion, South Africa, Tanzania, Uganda, Zambia, Zimbabwe

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	root rot; honey root rot		pine), *Pinus radiate* (radiate pine), *Pinus taeda* (loblolly pine), *Prunus domestica* (plum), *Prunus persica* (Japanese plum), *Tectona grandis* (teak), *Theobromoa cacao* (coklat, cocoa) *Acacia mearnsii* (black wattle), *Acacia melanoxylon* (Australian blackwood), *Araucaria cunninghamii* (colonial pine), *Casuarina equisetifolia* (casuarinas), *Cinnamamum camphora* (camphor laurel), *Cocos nucifera* (kelapa, coconut), *Delonix regia* (gold mohar), *Eriobotrya japonica* (loquat), *Eucalyptus citriodora* (lemon-scented gum), *Grevillea robusta* (silky oak), *Jacaranda mimosifolia* (Brazilian rosewood), *Musa paradisiaca* (pisang kepok, plantain), *Pinus strobes* (eastern white pine), Prunus (buah batu, stone fruit), Schinus molle (false pepper tree), swietenia (mahogany).		
30.	[a]:*Ascochyta boltshauseri* Sacc. =*Stagonosporopsis hortensis* =*Stagonospora*	I: jika MP tidak diproses	*Vigna* spp. (buncis, cowpea) Fabaceae, Poaceae	biji, polong, daun,	America: Colombia

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	hortensis =Ascochyta hortensis = Stagonosporopsis boltshauseri =Phoma boltshauseri =Hendersonia hortensis =Phoma subboltshauseri); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; bean blotch, bean leaf spot	II. jika MP diproses		batang, tanah	
31.	[a]: *Ascochyta gossypii*(Woronichin) Syd.; [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; ascochyta blight of cotton, ascochyta leaf spot, ascochyta seedling blight, ashen spot, wet weather blight of cotton.	I: jika MP tidak diproses II. jika MP diproses	*Gossypium barbadens* (kapas, cotton) *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), *Abelmoschus moschatus* (okra, lady's finger), *Solanum melongena* (terung, eggplant, aubergine),*Nicotiana tabacum* (tembakau, tobacco), *Glycine max* (kedelai, soybean), *Vigna unguiculata, Hibiscus* spp., *Vigna* spp. (buncis, cowpea)	biji, buah, daun, batang	Africa: Benin, DR Congo, Ethiopia, Kenya, Mauritius,Nigeria, South Africa, Sudan, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Chile, Colombia, Guatemala, Jamaica, Mexico, Panama, Puerto Rico, USA,Venezuela Asia: Armenia, Azerbaijan, China, Taiwan, Georgia, India, Japan, Korea, Laos, Malaysia, Philippines Europe: Greece Oceania: Australia, Papua New Guinea
32.	[a]:*Boeremia exigua* var. *linicola* (Naumov & Vassiljevsky) Aveskamp, Gruyter & Verkley (2010);	I: jika MP tidak diproses II. jika MP	*Linum usitatissimum* (flax) *Vigna* spp. (buncis, cowpea)	buah, bunga, biji, batang,	America: Canada Europe: Belgium, Czech, Denmark, Estonia, France, Germany, Italy, Latvia,

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	(= *Ascochyta linicola* Naumov & Vassiljevsky (1926) [s]: *Phoma exigua* f. sp. *linicola* (Naumov & Vassiljevsky) Malc. & E.G. Gray (1968) =*Phoma exigua* var. *linicola* (Naumov & Vassiljevsky) P.W.T. Maas (1965) =*Phoma belgica* Cash (1972) =*Phoma linicola* É.J. Marchal & Verpl. (1926) =*Diplodina lini* Moesz & Smarods (1930) Ascomycota, Pezizomycotina, Dothideomycetes; foot rot of flax	diproses		akar,	Netherlands, Russia, Spain, Slovakia Oceania: Australia, New Zealand
33.	[a]: *Botrytis aclada* Fresen. =*Botrytis allii* Munn =*Botrytis septospora* El-Helaly et al.; [s]: - Ascomycota, *Pezizomycotina, Leotiomycetes*; grey mould of onion, neck rot of onion, leaf rot of onion, small sclerotial neck rot fungus, neck rot fungus, grey mould neck rot of onion, small	I: jika MP tidak diproses II. jika MP diproses	*Allium* (onions, garlic, leek, etc.), *Allium cepa* (onion), *Allium cepa* var. *aggregatum* (shallot) *Allium porrum* (leek), *Allium sativum* (garlic)	umbi lapis,daun, bunga, biji	Africa: Egypt, Kenya, Morocco, South Africa, Tanzania, Zambia America: Costa Rica, Guatemala, Jamaica, Panama, Canada, USA, Brazil, Chile, Colombia, Venezuela Asia: Afghanistan, Bangladesh, China, Taiwan, India, Iran, Iraq, Israel, Japan, Korea Republic of (South Korea), Nepal, Pakistan, Saudi Arabia, Turkey, Vietnam

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sclerotial onion neck rot					Europe: Austria, Belgium, Bulgaria, Cyprus, Czech Republic and Slovakia, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Italy, Netherlands, Norway, Poland, UK Oceania: Australia, New Zealand
34. [a]:*Botrytis gladiolorum* Timmerm(1941)(=*Sclerotinia draytonii*) [s]:*Botryotinia draytonii*(Buddin & Wakefield) Seaver; Ascomycetes; corm rot	I: jika MP tidak diproses II. jika MP diproses	*Gladiolus* spp.	umbi, tanaman		Asia: Pakistan
35. [a]:*Botrytis porri* N.F. Buchw. (1949); (=*Sclerotinia porri* J.F.H. Beyma (1927) [s]: *Botryotinia porri*(H.J.F. Beyma) Whetzel (1945); Ascomycetes; Botrytis rot of garlic, Botrytis rot of leek, seedling damping-off of onion, neck rot of onion, mycelia onion neck rot	I: jika MP tidak diproses II. jika MP diproses	*Allium* (onions, garlic, leek, etc.), *Allium cepa* (onion), *Allium porrum* (leek)	umbi lapis,daun , bunga, biji		America: Canada, USA, Chile Europe: Finland, Germany, Hungary, Norway, UK Oceania: Australia, New Zealand
36. [a]:*Botrytis squamosa*J.C. Walker, (1925) [s]:*Botryotinia*	I: jika MP tidak diproses	*Allium* (onions, garlic, leek, etc.), *Allium cepa* (onion) *Allium chinense* (spring	umbi lapis,daun , bunga,		Africa: Mauritius America: Canada, USA, Brazil Asia: China, Japan, Korea,

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	*squamosa*Vienn.-Bourg. (1953); (=*Sclerotinia squamosa* (Vienn.-Bourg. 1956) *Ascomycota, Pezizomycotina, Leotiomycetes*; leaf blight of onion, neck rot of onion, small sclerotial neck rot, onion leaf blight, onion neck rot	II. jika MP diproses	onion), *Allium fistulosum* (Welsh onion), *Allium schoenoprasum* (chives), *Allium tuberosum* (Oriental garlic)	biji	DPR, Korea Republic of (South Korea) Europe: Belgium, Bulgaria, Czech Republic, France, Germany, Ireland, Italy, Netherlands, Poland, UK, Scotland Oceania: New Caledonia, New Zealand
37.	[a]: *Botrytis tulipae* Lind. (1913) =*Sclerotium tulipae* Lib. =Botrytis parasitica Cavara (1888); [s]: - Ascomycota, *Pezizomycotina, Leotiomycetes*; tulip fire	I: jika MP tidak diproses II. jika MP diproses	*Tulipa* (tulip) *Allium cepa* (onion), *Lilium* (lily)	umbi lapis,daun , bunga, biji	America: Canada, USA, Argentina, Chile Asia: Iraq, Japan, Korea, DPR, Korea Republic of (South Korea), Philippines Europe: Austria, Belgium, Bulgaria, Czech Republic and Slovakia, Denmark, Finland, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Guernsey, Hungary, Italy, Jersey, Netherlands, Norway, Portugal, Romania,

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						Switzerland, UK Oceania: Australia, New Zealand
38.	[a]:*Catacauma huberi* (Henn.) Theiss. & Syd. 1915; (= *Phyllachora huberi* Henn. (1900) [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; black spot, tar spot	I: jika MP tidak diproses II. jika MP diproses	*Hevea brasiliensis* (karet, rubber tree)	daun, batang muda		America: Brazil, Guyana
39.	[a]: *Cephalosporiumgregatum* Alling & Chamb; =*Acremoniumgregatum* =*Phialophora gregata* (Allington & D.W. Chamb.) W. Gams, (1971); [s]:*Cadophora gregata* (Allington & D.W. Chamb.) T.C. Harr. & McNew, (2003); Ascomycota, Pezizomycotina, Sordariomycetes;brown batang rot	I: jika MP tidak diproses II. jika MP diproses	*Glycine max* (kedelai, soybean)	biji		Africa: Egypt America: Canada, Mexico, USA Asia:Japan Europe: Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
40.	[a]: *Cercospora duddiaeW*elles (1923); [s]: - Ascomycota,	I: jika MP tidak diproses II. jika MP	*Allium ascalonicum* (bawang merah, shallot), *Allium schoenoprasum* (bawang daun/leeks, chives)	tanaman, daun		America: Barbados, Jamaica Asia: India

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	Pezizomycotina, Dothideomycetes; leaf spot of onion and garlic, withertip onion of and garlic, leaf spot: garlic, leaf spot: onion	diproses			
41.	[a]: *Cercospora elaeidis*Steyaert (1948); [s]:*Pseudospiropes elaeidis* (Steyaert) Deighton, (1985); Ascomycota, Pezizomycotina, Dothideomycetes; cercospora leaf spot, freckle of oil palm, leaf spot of oil palm, oil palm leaf spot	I: jika MP tidak diproses II. jika MP diproses	*Elaeis guineensis* (kelapa sawit, oilpalm)	buah, biji, daun,	Africa: Angola, Benin, Cameroon, DR Congo, Congo, Gabon, Ghana, Guinea-Bissau, Guinea, Ivory Coast, Liberia, Nigeria, Sao Tome & Principe, Senegal, Sierra Leone, Sudan, Tanzania, Togo, Zimbabwe, Antilles Netherlands, Suriname Oceania: Australia
42.	[a]: *Cercospora epipactidis*; =*Cercospora missal* ex. Sacc. (1911); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; leaf spot	I: jika MP tidak diproses II. jika MP diproses	Orchidaceae (anggrek, orchids)	daun, batang, tangkai bunga	Europe: Italy, Germany, Rusia.
43.	[a]: *Colletotrichum kahawae*J.M Waller & Bridge (1993); (=*Colletotrichum coffeanum* =*C.coffeanum* 'var. *virulans'*); [s]: - Ascomycota,	I: jika MP tidak diproses II. jika MP diproses	*Coffea* spp. (kopi, coffee)	buah, bunga, batang,	Africa: Angola, Burundi, Cameroon, Central Africa, DR Congo,Congo, Ethiopia, Kenya, Malawi, Mozambique, Rwanda,Tanzania, Uganda, Zambia, Zimbabwe America: Cuba

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	Pezizomycotina, Sordariomycetes; anthracnose of coffee, brown blight of coffee, coffee berry disease				
44.	[a]: *Colletotrichum sublineolum*(Henn.) ex Sacc. & Trotter (1913) =*Colletotrichum sublineolum* Henn. ex Sacc. & Trotter (1913); [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; sorghum anthracnose, stalk red rot of sorghum, red leaf spot of sorghum, head blight of sorghum	I: jika MP tidak diproses II. jika MP diproses	*Sorghum bicolor* (sorgum, sorghum) *Poaceae* (grasses), *Zizania aquatica* (annual wildrice)	biji, bunga, daun, batang,	Africa: Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central Africa, Chad, DR Congo, Ethiopia, Ghana, Guinea, Kenya, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe. America: Argentina, Brazil, Barbados, Canada, Colombia, Costa Rica, Cuba, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad and Tobago, USA, Guyana, Venezuela Asia: Afghanistan, Bangladesh, Cambodia, China, Taiwan, India, Japan, South Korea, Lebanon, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Thailand. Europe: Romania, UK. Oceania: Australia, Papua New Guinea, Solomon Islands

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45.	[a]:*Coniothyrium fuckelii* Sacc. (1878); (=*Microsphaeropsis fuckelii* (Sacc.) Boerema [s]:*Sphaeria coniothyrium* Fuckel, (1870); (=*Leptosphaeria coniothyrium* (Fuckel) Sacc., (1875); *Diapleella coniothyrium* (Fuckel) M.E. Barr, (1986); *Kalmusia coniothyrium* (Fuckel) Huhndorf, (1992); *Melanomma coniothyrium* (Fuckel) L. Holm, (1957); *Sphaeria coniothyrium* Fuckel, (1870) Ascomycota, Pezizomycotina, Dothideomycetes; cane blight, rose blight, apple canker, pine needle blight, rose stem canker	I: jika MP tidak diproses II. jika MP diproses	*Rubus* spp., *Rosa* spp. (mawar, rose), *Ribes*, *Vaccinium*, Fragaria, Bambusa, Juniperus, *Malus domesticum* (apel, apple), *Pinus sylvestris*, buah batu (stone fruit), *Taxus*, *Thuja*	tanaman, batang, media tanam	Africa: Kenya, Malawi, Morocco, Nigeria, South Africa, Uganda, Zambia, Zimbabwe America: Argentina, Brazil, Colombia, Cuba, Canada, USA Asia: Bangladesh, Brunei, China, India, Japan, Kuwait, Malaysia, Nepal, Pakistan, Thailand, Turkmenistan Europe: Austria, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Poland, Portugal, Rusia, Slovakia, Spain, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceania: Australia, Fiji, New Zealand, Papua New Guinea
46.	[a]: Coniothyrium wernsdorffiaeLaubert (91905); =Coniothyrium cystotricha; [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; rose brand canker	I: jika MP tidak diproses II. jika MP diproses	*Rosa* spp. (mawar, rose)	tanaman, batang	America: Canada, USA Europe: Austria, Bulgaria, Denmark, France, Germany, Greece, Italy, Lithuania, Netherlands, Poland, Rusia, Sweden, Ukraine, UK Oceania: Australia

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47.	[a]:*Cylindrocarpon heteronemum* (Berk. & Broome) Wollenw. (1928); (= *Fusarium willkommii* J. Lindau (1909) =*Cylindrocarpon willkommii* (Lindau) Wollenw. (1928) =*Cylindrocarpon willkommii* var. *minus* Wollenw. (1928) =*Cylindrocarpon willkommii* var. *pluriseptatum* Wollenw. (1928) [s]:*Neonectria ditissima* (Tul. & C. Tul.) Samuels & Rossman (2006); (=*Nectria ditissima* Tul. & C. Tul. (1865) =*Nectria ditissima* var. *ditissima* Wollenw. (1865) =*Nectria ditissima* var. *arctica* Wollenw. (1926) =*Nectria galligena* Bres.(1901) =*Neonectria galligena* (Bres.) Rossman & Samuels (1999) =*Fusarium heteronemum* Berk. & Broome (1865) =*Cylindrocarpon heteronema* (Berk. &	I: jika MP tidak diproses II. jika MP diproses	*Albizia lebbeck, Acer pseudoplatanus, Aesculus hippocastanum, Alnus glutinosa, Batula pubescens, Juglans sp, Fraxinus excelsior, Fogus silvatica, Platanus orientalis, Populus spp, Quercus robus, Salix alba, S. vitallina, Tillia spp, Ulmus glabra*	batang, buah, polong	Africa: South Africa, Madagascar America: North America Asia: Japan Europe: England

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	Broome) Wollenw. (1928) =*Nectria magnoliae* M.L. Lohman & Hepting (1943) =*Fusarium mali* Allesch. (1892) =*Cylindrocarpon mali* (Allesch.) Wollenw. (1928) Ascomycota, Pezizomycotina, Sordariomycetes; Hardwoods perennial canker, nectria cancer					
48.	[a]:*Dematophora necatrix* R. Hartig (1883) =*Graphium desmazieriі* Sacc. (1878)[1879] =*Hypoxylon necatrix* (R. Hartig) P.M.D. Martin (1976) =*Rhizomorpha necatrix* R. Hartig (1883) [s]:*Rosellinia necatrix*Prill.(1902); Ascomycota, Pezizomycotina, Sordariomycetes; dematophora root rot, white root rot of trees	I: jika MP tidak diproses II. jika MP diproses	*Actinidia deliciosa* (kiwi, kiwi fruit), *Begonia*, *Boehmeria nivea* (rami, ramie), *Camellia sinensis* (teh, tea), *Citrus* spp., *Cydonia oblonga*, *Cynara scolymus* (artisyok, artichoke), *Cyclamen*, *Dianthus*, *Eriobotrya japonica*, *Ficus carica*, *Fragaria vesca* (arbei, strawberry), *Jasminum sambac* (melati, jasmine), *Malus domesticum* (apel, apple), *Morus*, *Narcissus*, *Olea europea* sub sp. *europea* (zaitun, olive), *Paeonia*, *Populus*, *Prunus cerrasus* (ceri, cherry), *Pyrus communis* (pir, pear), *Rosa* spp. (mawar, rose), Viola,	tananaman, umbi, akar, batang, media tanam	Africa: Central Africa, DR Congo, Ethiopia, Kenya, Morocco, Mozambique, Nigeria, South Africa, Réunion America: Argentina, Brazil, Colombia, Dominica, Mexico, USA Asia: China,Taiwan, Georgia, India, Iran, Iraq, Israel, Japan, South Korea, Lebanon, Philippines, Turkey Europe: Austria, Bulgaria, Cyprus, France, Germany, Greece, Italy, Portugal, Romania, Southern Russia, Spain, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceania: New Zealand

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		Vitis vinifera (anggur, grapevine) cerealia, *Abies alba, Acacia, Acer, Aesculus, Annona,Asparagus officinalis* (asparagus, asparagus), *Beta vulgaris* var *saccharifera* (bit gula, sugar beet), *Berberis, Brassica oleracea capitata* (kubis, cabbage), *Ceanothus megacarpus, Cedrus atlantica, Coffea* spp. (kopi, coffee), *Castanea sativa, Cotoneaster, Carya, Corylus avellana, Cyperus esculentus, Daucus carota* (wortel, carrot), *Diospyros, Eucalyptus, Fagus,Feijoa sellowiana, Fragaria, Gladiolus* hybrids, *Helianthus annuus* (bunga matahari, sunflower), *Humulus lupulus, Hyacinthus, Ilex aquifolium, Iris, Juglans, Juglans regia, Ixia, Lavandula, Larix decidua, Ligustrum vulgare, Laurus nobilis, Malus, Manihot esculenta* (ubi kayu, cassava), *Macadamia, Medicago sativa, Mangifera indica* (mangga, mango),		

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			Passiflora quadrangularis (markisa, passion- fruit, granadilla), *Persea americana* (alpokat, avocado), *Pelargonium*, *Phaseolus*, *Pistacia vera*, *Picea abies*, *Piper nigrum* (lada, pepper), *Pinus merkusii* (tusam, pinetree), *Platanus*, buah batu (stone fruit), *Protea*, *Punica granatum* (delima, pomegranate), *Pyracantha*, *Pyrus communis* (pir, pear), *azalea*, *Ribes*, *Rubus* spp., *Rumex*, *Salix*, *Solanum tuberosum* (kentang, potato), *Sorbus aucuparia*, *Theobroma cacao* (kakao, cocoa), *Crocosmia crocosmiiflora*, *Tulipa*, *Ulmus*, *Viburnum*, *Vicia*, *Vitis*, *Zea mays* (jagung, corn, maize), *Ziziphus jujuba*, *Zantedeschia*	daun, buah	Africa: Kenya America: Brazil, Canada, Cuba, Dominica, Haiti, Jamaica, Panama, Puerto Rico, USA Asia: Taiwan, India, Nepal, Philippines
49.	[a]:*Denticularia mangiferae* (Bitanc. & Jenkins) Alcorn, Grice & R.A. Peterson 1999 =*Sphaceloma mangiferae* Bitanc. & Jenkins 1956 [s]:*Elsinoe mangiferae*	I: jika MP tidak diproses II. jika MP diproses	*Mangifera indica* (mangga, mango)		

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	Bitanc. & Jenkins 1946 Ascomycetes; mango scab				Oceania: Australia
50.	[a]: *Diplodia laelio-cattleyae*Sibilia (1927); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; leaf spot	I: jika MP tidak diproses II. jika MP diproses	*Cattleya* sp. (anggrek cattleya, cattleya)	tanaman, daun	America: all
51.	[a]: *Fusarium avenaceum*(Fr.: Fr.) Sacc. (1886) =*Fusarium roseum* var. *avenaceum* Fr.: Fr.) Wollenw. (1930 =*Fusarium avenaceum* f.sp. *fabae* =*Fusarium avenaceum subsp. ajuwerte)* [s]: *Gibberella avenaceae* R.J. Cook (1967); Ascomycota, Pezizomycotina, Sordariomycetes; Fusarium blight; head blight; stem base disease; scab	I: jika MP tidak diproses II. jika MP diproses	*Albizia julibrissin* (silk tree) *Clausena lansium* (wampi), *Cucurbita* (pumpkin), *Fraxinus excelsior* (ash), *Gossypium* (cotton), *Ipomea batatas*, (sweet potato), *Morus* (melberrytree), *Oryza sativa* (rice), *Piper betle* (betel pepper), *Pseudotsuga menziesii* (Douglas-fir), *Pyrus communis* (European pear), *Solanum tuberosum* (potato), *Theobroma cacao* (cocoa)	biji,akar buah, batang, media tanam	Africa: Kenya, Nigeria America: Brazil, Chile, Mexico, Puerto Rico, Peru, USA Asia: China, India, Iran Europe: Hungary, Poland, Slovenia, UK Oceania: Australia, New Zealand.
52.	[a]:*Fusarium chlamydosporum*Wollenw. & Reinking 1925; (=*Fusarium fusarioides* (Gonz. Frag. & Cif.) C. Booth 1971; *Fusarium sporotrichioides* var. *chlamydosporum*	I: jika MP tidak diproses II. jika MP diproses	*Morus* (mulberrytree), *Pennisetum glaucum* (pearl millet), *Sorghum bicolor* (sorgum, sorghum)	biji, akar, batang, media tanam	Africa: widespread, Nigeria America: USA. Asia: China, India (Haryana), Saudi Arabia. Oceania: Australia

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	(Wollenw. & Reinking) Joffe 1974 =*Dactylium fusarioides* Gonz. Frag. & Cif. 1928 [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; wilt cotton				
53.	[a]:*Fusarium graminearum* Schwabe (1838) (=*Fusarium roseum* Link emend Snyder & Hansen (1945) [s]:*Gibberella zeae* (Schwein.: Fr.) Petch (1936); (=*Sphaeria zeae* Schwein.: Fr. (1822) =; *Gibberella roseum* (Link) W.C. Snyder & E.M. Hans. (1945) =; *Gibberella roseum* f. *cerealis* (Cooke) W.C. Snyder & H.N. Hansen; = *Gibberella saubinetii*; =*Gibberella cyanogena*; *Dothidea zeae* Schwein. (1832) Ascomycota, Pezizomycotina, Sordariomycetes; headblight of maize, scab of maize, root rot of maize,	I: jika MP tidak diproses II. jika MP diproses	*Alopecurus pratensis* (Meadow foxtail), *Avena sativa* (oats), *Glycine max* (kedelai, soyabean), *Hordeum vulgare* (barley), *Linum usitassimum* (flax), *Lupinus* (lupins), *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, rice), *Pennisetum glaucum* (pearl millet), *Secale cereale* (rye), *Sorghum bicolor* (sorghum), *Triticum aestivum* (wheat), *Zea mays* (jagung, maize) *Acacia mearnsii* (black wattle), *Azadirachta indica* (neem tree), *Brassica*, *Dianthus* (carnation), *Gardenia jasminoides* (cape jasmine), *Gossypium* (cotton), *Lycopersicon*, *Mangifera indica* (mangga, mango), *Medicago* (medic),	biji, buah, bunga, daun, akar, batang, media tanam	Africa: widespread, Egypt, Gambia, Kenya, Malawi, Nigeria, South Africa, Tunisia, Zambia, Zimbabwe. America: Costa Rica, Dominica, Grenada, Honduras, St. Lucia, St. Vincent and the Grenadines, Windward Island, Canada, Mexico, USA., Argentina, Bolivia, Brazil, Colombia, Paraguay, Peru, Uruguay. Asia: China, Iran, Japan, Kazakhstan, South Korea, Lebanon, Pakistan, Saudi Arabia, Sri Lanka, Turkey. Europe: Austria, Bulgaria, Croatia, Czech, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Russia, Serbia-Montenegro,	

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	stalk rot of maize, ear rot of maize, gibberella stalk rot, gibberella ear rot, red ear rot, pink ear rot, fusarium root and stalk rot, cobweb disease		*Medicago littoralis* (strand medick), *Musa x paradisiaca* (plantain), *Panicum miliaceum* (millet), *Phaseolus vulgaris* (common bean), *Pinus sylvestris* (Scots pine), *Pisum* (pea), *Rubus idaeus* (raspberry), *Solanum* (nightshade), *Trifolium* (clovers), *Triticale*, *Vicia faba* (Broad bean), *Zingiber officinale* (jahe, ginger)		Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceania: Australia, Fiji, New Zealand. Papua New Guinea, Solomon Islands Islands.
54.	[a]: *Fusarium oxysporumf.sp. elaeidis*Schltdl.: Fr. (1824) (=*Fusarium angustum* Sherb. (1915); [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; fusarium wilt of oil palm, vascular oil palm wilt	I: jika MP tidak diproses II. jika MP diproses	*Elaeis guineensis* (kelapa sawit, oilpalm)	biji, buah, bunga, batang, daun, akar, media tanam	Africa: Benin, Cameroon, DR Congo, Congo, Ivory Coast, Ghana, Nigeria America: Brazil, Colombia, Ecuador, Suriname, Costa Rica
55.	[a]:*Fusarium sporotrichioides*Sherb. (1915); (=*Fusarium sporotrichiella* var. *sporotrichioides* (Sherb.) Bilai (1953); *Fusarium sporotrichioides* var. *sporotrichioides* Sherb. (1915)	I: jika MP tidak diproses II. jika MP diproses	*Avena sativa* (oats), *Hordeum vulgare* (barley), *Lolium perenne* (perennial ryegrass), *Triticum aestivum* (wheat), *Zea mays* (maize) *Glycine max* (soyabean), *Medicago sativa* (lucerne), *Pinus strobus* (eastern white pine), *Pisum sativum* (pea),	biji, batang, media tanam	Africa: Egypt, Kenya, Sierra Leone, South Africa, Tanzania America: Barbados, Canada, USA, Brazil Asia: China, India, Japan, Pakistan, Thailand, Turkey Europe: Austria, Cyprus, Czech Republic, Denmark, Germany, Ireland, Italy,

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	[s]: - Ascomycota, Pezizomycotina, Sordariomycetes; kernel rot of maize, blight of grasses, foot rot of carnation		turfgrasses, *Zizania palustris* (northern wild rice (USA)		Poland, Portugal, Russia, UK Oceania: Australia, New Zealand
56.	[a]:*Fusarium xylarioides* Steyaert (1948); = *Fusarium lateritium* f. sp. *xylarioides* W.L. Gordon (1965); =*Fusarium oxysporum* f. *xylarioides* (Steyaert) Delassus (1954) [s]:*Gibberella xylarioides* R. Heim & Saccas (1950) Ascomycota, Pezizomycotina, Sordariomycetes; coffee wilt, sudden death of coffee, tracheomycosis of coffee, vascular wilt of coffee	I: jika MP tidak diproses II. jika MP diproses	*Coffea* spp. (kopi, coffee) *Gossypium barbadens* (kapas, cotton), *Solanum lycopersicum* (tomat, tomato), *Musa paradisiaca* (pisang kepok, plantain)	akar, batang, media tanam	Africa: Angola, Burkina Faso, Cameroon, Central Africa, Congo, DR Congo, Ivory Coast, Ethiopia, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Niger, Nigeria, Rwanda, Senegal, South Africa, Sudan, Swaziland, Tanzania, Togo,Uganda, Zimbabwe America: El Salvador
57.	[a]:*Fusicladium porni* (Fr.: Fr.) Lind;(=*Spilocaea porni* Fr.: Fr. =*Spilocaea amelanchieris* I.C. Harv. =*Actinonema crataegi* Pers. =*Capillaria crataegi* (Pers.) Link =*Phlyctidium crataegi* (Pers.) Wallr. =*Spilocaea crataegi* (Pers.) S. Hughes =*Asteroma*	I: jika MP tidak diproses II. jika MP diproses	*Malus domesticum* (apel, apple) *Crataegus laevigata, Cotoneaster, Malus, Pyracantha, Pyrus communis* (pir, pear), *Sorbus, Viburnum*	buah, bunga, daun, batang	Africa: Egypt, Ethiopia, Ghana, Kenya, Libya, Morocco, South Africa, Zimbabwe America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Guatemala, Mexico, Peru, USA, Uruguay Asia: Afghanistan, Bhutan, China, India, Iran, Iraq, Israel, Japan, Jordan, Korea,

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crataegi (Pers.) Rabenh. =*Asteroma crataegi* var. *porni* Desm. =*Asteroma crataegi* var. *sorbi* Desm. =*Cladosporium dendriticum* Wallr. =*Fusicladium dendriticum* f. *microsperma* Roum. =*Fusicladium dendriticum* var. *eriobotyrae* Scalia =*Fusicladium dendriticum* var. *pyracanthae* Thüm. =*Fusicladium dendriticum* var. *sorbi-torminalis* Savul. & Sandu =*Fusicladium dendriticum* var. *sorbinum* Sacc. =*Basiascum eriobotryae* Cavara =*Fusicladium eriobotryae* (Cavara) Cavara =*Fusicladium melanconioides* Ferraris =*Spilocaea eriobotryae* (Cavara) S. Hughes =*Fusicladium lalandi* É.J. Marchal & Verpl. =*Asteroma mali* Desm. =*Coniosporium mali* Dearn. & W.R. Foster =*Fumago mali* Pers. =*Cladosporium orbiculatum* Desm.				Lebanon, Pakistan, Saudi Arabia, Syria, Turkey Europe: Austria, Belgium, Bulgaria, Cyprus, Czech, Slovakia, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Malta, Netherlands, Norway, Poland, Portugal, Romania, Rusia, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand

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=*Fusicladium orbiculatum* (Desm.) Thüm. =*Passalora dendritica* var. *orbiculata* (Desm.) Berk. =*Fusicladium dendriticum* var. *orbiculatum* (Desm.) Sacc. =*Fusicladium photinicola* McClain =*Spilocaea photinicola* (McClain) M.B. Ellis =*Spilocaea photiniicola* (McClain) M.B. Ellis =*Fusicladium pirinum* var. *amelanchieris* Sacc. =*Fusicladium pirinum* var. *pyracanthae* Thüm. =*Fusicladium pyrinum* var. *pyracanthae* Thüm. =*Actinonema pomi* Lév. =*Passalora pyracanthae* G.H. Otth =*Spilocaea pyracanthae* (G.H. Otth) Arx =*Fusicladium pyracanthae* (G.H. Otth) Vienn.-ourg. =*Napicladium sorauer*i Thüm. =*Fusicladium dendriticum* var. *soraueri* (Thüm.) Sacc. =*Fusicladium dendriticum* var. *soraureri* (Thüm.) Sacc. =*Napicladium*				

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saraureri Thüm. =*Fusicladium dendriticum* var. *soraureri* (Thüm.) Sacc. =*Scolecotrichum venosum* Bonord. =*Scolicotrichum venosum* Bonord.) [s]: *Venturia inaequalis*(Cooke) G.Winter; (=*Sphaerella inaequalis* Cooke =*Endostigme cinerascens* (Aderh.) Jorst. =*Spilosticta cinerascens* (Aderh.) Petr. =*Didymosphaeria inaequalis* (Cooke) Niessl =*Endostigme inaequalis* (Cooke) Syd. =*Spilosticta inaequalis* (Cooke) Petr. =*Venturia inaequalis* var. *cinerascens* Aderh. =*Phaeosphaerella berolinensis* Kirschst. =*Venturia chlorospora* f. sp. *mali* Aderh. =*Sphaerella cinerascens* Fleischh. =*Sphaeria cinerascens* Fuckel =*Venturia inaequalis* f. sp. *mali* R. Menon)				
Ascomycota; Pleosporales;				

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	Venturiaceae; apple scab, apple black spot, apple scab, black spot					
58.	[a]:*Gloeocercospora sorghi* D.C. Bain & Edgerton ex Deighton, (1971); (=*Microdochium sorghi* (D.C. Bain & Edgerton ex Deighton) U. Braun, (1995); [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; zonate leaf spot	I: jika MP tidak diproses II. jika MP diproses	*Sorghum bicolor* (sorgum, sorghum) *Agrostis capillaris* (brown bentgrass), *Agrostis stolonifera* var. *palustris* (bent grass), *Cynodon dactylon* (Bermuda grass), *Pennisetum glaucum* (pearl millet), *Pennisetum purpureum* (elephant grass), *Saccharum officinarum* (tebu, sugarcane), *Sorghum halepense* (Johnson grass), *Sorghum sudanense* (Sudan grass), *Zea mays* (jagung, maize)	biji, daun, tanaman	Africa: Benin, Burkina Faso, Central African Republic, Chad, Congo, Eritrea, Ethiopia, Gambia, Ghana, Kenya, Mali, Niger, Nigeria, Rwanda, Senegal, Somalia, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe. America: Belize, El Salvador, Guatemala, Haiti, Nicaragua, Panama, Mexico, USA, Argentina, Brazil, Venezuela. Asia: China, Taiwan, India, Japan, North Korea, Malaysia, Philippines, Thailand. Europe: Russia Oceania: American, Samoa, Australia, Samoa, Tonga.	
59.	[a]:*Gloeodes pomigena* (Schwein.) Colby (1920) [s]:*Dothidea pomigena* Schwein. (1832); (=*Phyllachora pomigena* (Schwein.) Sacc. (1883) Ascomycota, Gloeodes; sooty blotch on twig & fruit	I: jika MP tidak diproses II. jika MP diproses	*Malus domesticum* (apel, apple) *Citrus* spp., *Magnolia* spp., *Vitis vinifera* (anggur, grapevine), Orchidaceae (anggrek, orchid), *Quercus* spp.	daun, cabang, buah	America: Brazil,USA Asia: India, Japan Europe: Germany	
60.	[a]:*Heterosporium allii-cepae* Ranoj., (1910); (=*Cladosporium allii-cepae*	I: jika MP tidak diproses	*Allium cepa* (onion), *Allium porum* (leek), *Allium fistulosum* (welsh onoin)	daun, umbi	America:Brazil Asia: South Korea Europe: Germany, Switzerland,	

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	(Ranoj.) M.B. Ellis, (1976) [s]:*Davidiella allii-cepae* (M.M. Jord., Maude & Burchill) Crous & U. Braun, (2003) Ascomycota, Pezizomycotina, Dothideomycetes; leafspot	II. jika MP diproses			UK
61.	[a]:*Hypoxylon nummularium* Bull., (1791); (=*Biscogniauxia nummularia* (Bull.) Kuntze, (1891); *Hypoxylon nummularium* var. *nummularium*; *Nemania decorticata* (Sowerby) Gray, (1821); *Nummularia nummularia* (Bull.) J. Schröt., (1897); *Numulariola nummularia* (Bull.) House, (1925); [s]:*Sphaeria decorticata* Sowerby, (1799) (=*Sphaeria decorticans* Sowerby; Sphaeria nummularia (Bull.) DC., (1805) Ascomycota, Pezizomycotina, Sordariomycetes; tea wood rot, tea root rot, rot root, tarry root rot	I: jika MP tidak diproses II. jika MP diproses	*Camellia sinensis* (teh, tea), *Malus domesticum* (apel, apple), *Pyrus communis* (pir, pear) *Vitis vinifera* (anggur, grapevine)	tanaman, akar, batang, media tanam	Africa: Kenya, South Africa Asia: Japan Europe: UK

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62.	[a]:*Microneclriella nivalis* (Schaffnit) C. Booth (1971) =*Fusarium nivale* =.*Gerlachia nivalis* =*Fusarium nivale* f.sp. *graminicola* =*Fusarium nivale* var.*nivale* =*Fusarium nivale var. majus* =*Microdochium nivale* =*Calonectria graminicola F. Stevens);* [s]: *Monographella nivalis* (Schaffnit) E. Müll. (1977); (= *Calonectria nivalis* Schaffnit (1913) =*Griphosphaeria nivalis* (Schaffnit) E. Müll. & Arx (1955) Ascomycota, Pezizomycotina, Sordariomycetes; foot rot of cereals, snow blight of cereals, head blight of cereals, pink snow mould of cereals, seedling blight of cereals, snow mould of cereals, Fusarium patch of turf, Microdochium patch of turf, pink snow mould of turf	I: jika MP tidak diproses II. jika MP diproses	*Avena sativa* (oat, oats), *Hordeum vulgare* (barley), *Secale cereale* (rye), *Triticum aestivum* (gandum, wheat). *Agrostis canina* (velvet bentgrass), *Agrostis stolonifera* (creeping bentgrass), *Festuca rubra* (red fescue), *Oryza sativa* (padi, rice), *turfgrasses.*	biji, bunga, daun, batang, akar	Africa: Egypt, Ethiopia, Senegal, Zambia. America: Canada, Mexico, USA, Bolivia, Brazil. Asia: Bahrain, China, India, Japan, Pakistan. Europe: Austria, Belgium, Czech, Denmark, Estonia, Finland, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Iceland, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Russia, Serbia-Montenegro, Slovakia, Sweden, Switzerland, Ukraine, UK. Oceania: Australia, New Zealand

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63.	[a]: *Monilia fructicola*L.R. Batra [s]: *Monilinia fructicola*(G. Winter) Honey (=*Sclerotinia fructicola* (G. Winter) Rehm) Ascomycota; Helotiales; Sclerotiniaceae; Brown rot, American brown rot of stone fruit, brown rot of apple, brown rot of cherry, twig canker of stone fruit	I: jika MP tidak diproses II. jika MP diproses	*Prunus avium* (sweet cherry), *Prunus domestica* (plum), *Prunus persica* (peach), *Prunus salicina* (Japanese plum) *Carica papaya* (papaw), *Malus domestica* (apple), *Prunus armeniaca* (apricot), *Prunus cerasus* (sour cherry), *Prunus dulcis* (almond), *Rubus fruticosus* (blackberry)	bunga, buah, daun, tangkai buah, media tanam	Africa: Egypt, Nigeria, South Africa, Zimbabwe America: Canada, Mexico, USA, Guatemala, Panama, Argentina, Brazil, Bolivia, Chile, Ecuador, Paraguay, Peru, Uruguay, Venezuela Asia: China, India, Korea Republic of, Taiwan, Yemen Europe: Austria, Belgium, Czech Republic and Slovakia, France, Germany, Hungary, Italy, Netherland, Serbia,Spain, Switzerland, UK Oceania: Australia, New Caledonia, New Zealand
64.	[a]:*Monilia laxa* (Ehrenb.) Sacc. & Voglino (1886); (= *Oidium laxum* Ehrenb. (1818) =*Oospora laxa* (Ehrenb.) Wallr. (1833) =*Acrosporium laxum* (Ehrenb.) Pers. (1822) =*Sclerotinia cerasi* Woronin (1895) =*Stromatinia cerasi* (Woronin) Boud. (1907) =*Monilia cinerea* Bonord. (1851) =*Sclerotinia cinerea* (Bonord.) J. Schröt. (1893) =*Monilia oregonensis*	I: jika MP tidak diproses II. jika MP diproses	*Prunus armeniaca* (apricot), *Prunusavium* (sweet cherry), *Prunus cerasus* (sour cherry), *Prunus domestica* (plum), *Prunusdulcis* (almond), *Prunus persica* (peach) *Cydonia oblonga* (quince), *Malus domestica* (apple), *Prunus triloba* (Rose tree of China), *Pyrus communis* (European pear)	buah, bunga, daun, batang	Africa: Morocco, South Africa America: Guatemala, Canada, USA, Argentina, Brazil, Chile, Uruguay, Asia: Afghanistan, Bhutan, China, India, Iraq, Israel, Japan, Lebanon, Turkey, Europe: Austria, Belgium, Bulgaria, Czech Republic, Czech Republic and Slovakia, Denmark, Finland, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan,

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	[s]:*Sclerotinia laxa* Aderh. & Ruhland (1905) (=*Stromatinia laxa* (Aderh. & Ruhland) (Chifflot,1921) Ascomycota, Pezizomycotina, Leotiomycetes; blossom blight, mummufying fruit, blossom wilt, brown rot of stone fruits, spur blight, twig canker, wither tip				Ukraina, Russia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand
65.	[a]:*Monilochaetes infuscans* Ellis & Halst. (1890); (= *Dischloridium cylindrospermum* S.K. Srivast. (1987)[1986] [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; scurf of sweet potato, manure stain, soils stain	I: jika MP tidak diproses II. jika MP diproses	*Ipomoea batatas* (ubi jalar, sweet potato)	umbi, batang, media tanam	Africa: Sierra Leone, South Africa, Zimbabwe America: Argentina, Brazil, USA Asia: China, Taiwan, Israel, Japan, Korea, Sri Lanka Europe: Italy, Portugal Oceania: Australia, Palau, Cook Islands, Micronesia, New Zealand, Northern Mariana Island, Papua New Guinea, Vanuatu
66.	[a]:*Oidium anacardii* F. Noack (1898); (= *Acrosporium anacardii* (F. Noack) J.A. Stev. (1975) =*Oidium erysiphoidesf. citri* J.M. Yen (1967) =*Oidium citri* (J.M. Yen) U. Braun (1982) =*Oidium*	I: jika MP tidak diproses II. jika MP diproses	*Anacardium occidentale* (jambu mete, cashew-nut)	tanaman, daun, buah	Africa: Malawi, Tanzania

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	heveae B.A. Steinm. (1925) =*Acrosporium heveae* (B.A. Steinm.) Subram. (1971) =*Oidium mangiferae* Berthet (1914) =*Acrosporium mangiferae* (Berthet) Subram. (1971) [s]:*Erysiphe quercicola* S. Takam. & U. Braun (2007) Ascomycota, Pezizomycotina, Leotiomycetes; powdery mildew				
67.	[a]:*Oidium passeriniiBertol.* [s]: *Podosphaera tridactyla*(Wallr.) de Bary(=*Podosphaera oxyacanthae* var. *tridactyla* (Wallr.)Salmon =*Podosphaera clandestina* var. *tridactyla* (Wallr.) W.B. Cooke =*Alphitomorpha tridactyla* Wallr. =*Erysiphe tridactyla* (Wallr.) Rabenh. =*Erysiphe bertoliniiRoum.*) Ascomycota; Erysiphales; Erysiphaceae	I: jika MP tidak diproses II. jika MP diproses	Prunus (stone fruit), *Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus dulcis* (almond)	buah	Africa: Agypt. Libya, Morocco, South Africa, Spain America: Canada, USA, Argentina, Chile, Acuador, Peru Asia: Afghanistan, Armenia, Azerbaijan, Georgia Republic of, India, Iran, Iraq, Israel, Japan, Jordan, Korea Republic of, Kyrgyzstan, Lebanon, Saudi Arabia, Taiwan, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yemen Europe: Bulgaria, Czech Republic and Slovakia, Denmark, Estonia, Finland, France, Germany, Greece,

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					Hungary, Italy, Latvia, Lithuania, Netherland, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukaraine, UK, Serbia and Monteneggro (Yugoslavia)
					Oceania: Australia, Ne Zealand
68.	[a]: *Penicillium expansum*Link. (=*Penicillium crustaceum* Link. =*Penicillium glaucum* Stoll.)	I: jika MP tidak diproses II. jika MP diproses	*Malus domestica* (apple) *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Cydonia oblonga* (quince), *Fragaria ananassa* (strawberry), *Gossypium hirsutum* (*Bourbon cotton*), *Hordeum vulgare* (barley), Lilium (lily), *Phoenix dactylifera* (*date-palm*), *Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus domestica* (plum), *Prunus persica* (peach), *Punica granatum* (pomegranate), *Pyrus communis* (European pear), *Rheum hybridum* (rhubarb), *Solanum lycopersicum* (tomato), *Triticum aestivum* (wheat), Vaccinium (blueberries), *Vitis vinifera* (grapevine), *Zea mays* (maize), *Allium cepa* (onion),	buah	Africa: Agypt, Ghana, Kenya, Mauritius, Morocco, Nigeria, South Africa, Zimbabwe America: Canada, USA, Honduras, Nicaragua, Argentina, Brazil, Chile, Uruguay, Venezuela Asia: Armenia, Brunei Darussalam, China, Georgia Republic of, India, Iran, Israel, Japan, Kazakhstan, Korea DPR (North Korea), Korea Republic of (South Korea), Philippines, Sri Lanka, Saudi Arabia, Turkey Aurope: Belgium, Bulgaria, Cyprus, Czech Republic and Slovakia, Denmark, France, Greece, Italy, Latvia, Lithuania, Poland, Romania, Slovakia, Spain, Sweden, Ukraine, UK, Serbia and Montenegro Oceania: Australia, New

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		Allium sativum (garlic), *Beta vulgaris* var. *saccharifera* (sugarbeet)			Zealand
69.	[a]:*Periconia manihoticola* (Vincens) Viegas, Bragantia 14:63 (1955); (=*Haplographium manihoticola* Vincens: 24, (1916) [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; Periconia blight	I: jika MP tidak diproses II. jika MP diproses	*Hevea brasiliensis* (karet, rubber tree), *Acasia* spp., *Pisum* spp., *Manihot esculenta* (ubi kayu, cassava)	tanaman, daun, batang	Asia: India Oceania: Fiji, Papua New Guinea, Solomon Islands, Vanuatu
70.	[a]: *Phoma cucurbitacearum* (Fr. ex Fr.) Sacc.; *Ascochyta cucumis* Fautrey & Roum. =*Phyllosticta citrullina* Chester =*Ascochyta melonis* Potebnja =*Ascochyta citrullina* (CHESTER) SMITH =*Cercospora citrullina* Cooke =*Cercospora cucurbitae* Ell. & Ev. [s]: *Didymella bryoniae* (Auersw.) Rehm =*Mycosphaerella melonis* (Pass.) Chiu & Walker =*Didymosphaeria melonis*Pidoplichko =	I: jika MP tidak diproses II. jika MP diproses	Cucurbitaceae, *Citrullus vulgaris* (semangka, watermelon), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita* spp., *Momordica charantia* (paria, bitter gourd), *Sechium edule* (labu siam), *Solanum tuberosum* (kentang, potato)	biji, batang,daun, buah, media tanam	Africa: Ethiopia, Gabon, Kenya, Malawi, Mauritius, Morocco, Nigeria, South Africa, Uganda, Zambia, Zimbabwe America: Argentina, Barbados, Belize, Bermuda, Bolivia, Brazil, Canada, Chile, Costa Rica, Cuba, Dominica, El Salvador, Jamaica, Mexico, Nicaragua, Peru, Puerto Rico, Trinidad and Tobago, USA Asia: Bangladesh, Brunei, China,Taiwan, India, Iraq, Israel, Japan, South Korea, Laos, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Thailand Europe: Austria,

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	Didymosphaeria effusa Sacc. =*Mycosphaerella citrullina* =*Didymella melonis* Pass. =Sphaeria *bryoniae FUCKEL* =*Sphaerella bryoniae* AUERSW.; Ascomycota, Pezizomycotina, Dothideomycetes; gummy stem blight, leaf spot of cucurbits, cercospora leafspot of squash, cucumber black rot, cucurbits stem blight, cucurbits leaf spot, cucurbits stem-end rot				Bulgaria,Czech, Denmark, Rusia, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Romania, Rusia, Slovakia, Sweden, Switzerland, Ukraine, UK Oceania: Samoa America, Australia, Fiji, France Polynesia, New Caledonia, New Zealand, Pitcairn, Samoa, Solomon Islands,Tonga
71.	[a]:*Phoma tracheiphila* (Petri) L.A. Kantsch. & Gikaschvili (1948); (= *Deuterophoma tracheiphila* Petri (1929) =*Bakerophoma tracheiphila* (Petri) Cif. (1946) [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; mal secco disease of *citrus*, wilt of *citrus*, *citrus* wilt, *citrus* mal secco	I: jika MP tidak diproses II. jika MP diproses	*Citrus*spp. *Fortunella, Poncirus*	buah, akar, batang,biji,	Africa: Algeria,Tunisia Asia: Georgia, Iraq, Israel, Lebanon, Syria, Turkey, Yemen Europe: Albania, Cyprus, France, Greece, Italy, Russia

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72.	[a]:*Phomopsis perceae* Serova [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; fruit rot	I: jika MP tidak diproses II. jika MP diproses	*Persea americana* (alpokat, avocado)	buah	America: USA.
73.	[a]:*Phomopsis viticola* (Sacc.) Sacc. (1915); (= *Phomopsis viticola* var. *viticola* (Sacc.) Sacc. (1919) =*Phomopsis ampelopsidis* Petr. (1916) [s]:*Cryptosporella viticola* Shear (1911) Ascomycota, Pezizomycotina, Dothideomycetes; Phomopsis cane and leaf spot; Phomopsis cane and leaf blight; black knot: grapevine; black rot: grapevine; dead-arm: grapevine; necrosis of grapevine	I: jika MP tidak diproses II. jika MP diproses	*Vitis vinifera* (grapevine) *Parthenocissus quinquefolia* (creeper), *Vitis labrusca* (fox grape), *Vitis rupestris* (sand-grape)	buah, bunga, daun, batang.	Africa: Egypt, Kenya, South Africa, Zimbabwe America: Canada, Mexico, USA, Brazil, Chile, Venezuela Asia: Brunei Darussalam, China, Taiwan, India, Japan, Turkey Europe: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Italy, Jersey, Macedonia, Moldova, Netherlands, Poland, Portugal, Romania, Russia, Serbia and Montenegro, Slovenia, Spain, Switzerland, Ukraine, UK Oceania: Australia, New Zealand
74.	[a]: *Phyllosticta ampelicida* (Engelm.) Aa, (1973) [s]:*Guignardia bidwellii* (Ellis) Viala & Ravaz, (1892); (=*Botryosphaeria*	I: jika MP tidak diproses II. jika MP diproses	*Vitis vinifera* (anggur, grapevine) *Ampelopsis, Cissus, Parthenocissus, Citrus* spp.	buah, bunga, daun,batang,tangkai buah	Africa: Morocco, Mozambique, Sudan America: Argentina, Barbados, Brazil, Canada, Chile, Cuba, El Salvador, Guyana, Haiti,

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	bidwellii (Ellis) Petr., (1958); sin: *Carlia bidwellii* (Ellis) Magnus (1892); *Carlia bidwellii* (Ellis) Prunet (1989); *Laestadia bidwellii* (Ellis) Viala & Ravaz (1888); *Phyllachorella bidwellii* (Ellis) Theiss., (1919); *Physalospora bidwellii* (Ellis) Sacc., (1882); *Sphaerella bidwellii* (Ellis) Ellis (1890); *Sphaeria bidwellii* Ellis (1880)				Jamaica, Martinique, Mexico, Panama, USA Asia: China,Taiwan, India, Iran, Japan, North Korea, Pakistan, Philippines, Turkey Europe: Austria, Bulgaria, Cyprus, France, Germany, Italy, Romania, Rusia, Slovakia, Switzerland, Ukraine, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Christmas Island
	Ascomycota, Pezizomycotina, Dothideomycetes; black rot				
75.	[a]: *Phyllosticta arbutifolia* Ellis & G. Martin (1886); (= *Phyllosticta arbutifoliae* Ellis & G. Martin (1886) =*Phyllosticta solitaria* Ellis & Everh. (1895) =*Phyllostictina solitaria* (Ellis & Everh.) [s]: -	I: jika MP tidak diproses II. jika MP diproses	*Malus domesticum* (apel, apple) *Crataegus* sp.,*Pyrus coronaria*	buah, daun	America: Canada, USA
	Ascomycota, Pezizomycotina, Dothideomycetes; apple blotch				

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76.	[a]: *Phyllosticta capitalensis* Henn. (1908); (= *Phyllosticta cymbidii* Sawada (1943) =*Phyllostictina mangiferae* Bat. & A.F. Vital 1952 =*Phyllosticta anacardiacearum* =*Phyllosticta ophiopogonis* Wulandari, Wikee & Hyde (2012) =*Phyllosticta phalenopsidis* Marchal & Verpl. (1927)[1926] =Variant spelling *Phyllosticta phalaenopsidis* Marchal & Verpl. (1927)[1936] =*Phyllosticta phalenopsidis* var. *vanillae* Verpl. & Claess. (1934) =*Phyllostictina pyriformis* E.K. Cash & A.M.J. Watson (1955) =*Phyllostictina theicola* Petr. (1927) =*Phyllosticta theacearum* Aa (1973) =*Macrophoma theicola* Siemaszko (1923 - illegitimate later homonym, not included in search] Note: Illegitimate later	I: jika MP tidak diproses II. jika MP diproses	Orcidaceae (anggrek, orchids)	tanaman, daun, tangkai, bunga	America: Hawaii

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	homonym of Macrophoma theicola Petch 1917). [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; leaf spot				
77.	[a]:*Phyllosticta phaseolina*Sacc.(1878) [s]:- Ascomycota, Pezizomycotina, Dothideomycetes; leaf spot, fruit blotch, twig canker	I: jika MP tidak diproses II. jika MP diproses	*Glycine max* (kedelai, soybean), *Phaseolus* spp. *Vanilla* sp.	tanaman, daun, buah, batang, polong	America: Barbados, Jamaica
78.	[a]:*Phymatotrichopsis omnivora* (Shear) Hennebert (1973); (= *Ozonium omnivorum* Shear (1907) =*Phymatotrichum omnivorum* (Shear) Duggar (1916) =*Ozonium auricomum* [s]:*Hydnum omnivorum* Ascomycota, Pezizomycotina, Pezizomycetes; cotton root rot, root rot of cotton, soft rot of cotton, cotton soft rot, grapevine root rot	I: jika MP tidak diproses II. jika MP diproses	Fabaceae, *Juglandaceae*, Malvaceae, *Rosa* ceae, Umbelliferae, *Abelmoschus moschatus* (okra, lady's finger), *Arachys hypogaea* (kacang tanah, groundnut, peanut), *Beta vulgaris* var *saccharifera* (bit gula, sugar beet) *Carya illinoinensis*, *Ficus carica* (ara), *Glycine max* (kedelai, soybean), *Gossypium barbadens* (kapas, cotton), *Juglans regia*, *Malus domesticum* (apel, apple), *Medicago sativa*, *Phaseolus*, *Populus*,*Prunus* spp., *Pyrus communis* (pir, pear), *Salix*, *Ulmus*, *Vitis vinifera* (anggur, grapevine)	akar, batang, media tanam	America: Mexico, USA, Venezuela

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79.	[a]:*Plenodomus destruens* Harter (1913) [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; foot rot of sweet potato	I: jika MP tidak diproses II. jika MP diproses	*Ipomoea batatas* (ubi jalar, sweet potato)	biji, umbi	America: Brazil, Caribbean, USA
80.	[a]:*Polyscytalum pustulans* (M.N. Owen & Wakef.) M.B. Ellis (1976); (= *Oospora pustulans* M.N. Owen & Wakef. (1919) [s]: - Ascomycota, Pezizomycotina, Polyscytalum; potato skin spot	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato) *Solanum* spp.	umbi	Africa: South Africa America: Canada,USA Europe: Estonia, Germany, Ireland, Lithuania, Norway, Romania, Russia, UK Oceania: Australia, New Zealand
81.	[a]:*Pseudocercospora aleuritis* (I. Miyake) Deighton (1976); (= *Cercospora aleuritidis* I. Miyake (1912) =*Cercosporina aleuritis* (Miyake) Sacc. (1931) [s]:*Mycosphaerella aleuritis* S.H. Ou (1940); (=*Mycosphaerella aleuritidis* S.H. Ou (1940) Ascomycota, Pezizomycotina, Dothideomycetes; angular leaf spot	I: jika MP tidak diproses II. jika MP diproses	*Aleurites moluccana* (kemiri, candle-nut)	daun	Asia: China Oceania: Tonga, Cook Islands, New Zealand

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82.	[a]:*Pseudocercospora fijiensis* (M. Morelet) Deighton (1976); (= *Cercospora fijiensis* M. Morelet (1969) =*Paracercospora fijiensis* (M. Morelet) Deighton (1979) =*Cercospora fijiensis* var. *difformis* J.L. Mulder & R.H. Stover (1976) =*Paracercospora fijiensis* var. *difformis* (J.L. Mulder & R.H. Stover) Deighton (1979) [s]:*Mycosphaerella fijiensis* M. Morelet (1969); (=*Mycosphaerella fijiensis* var. *difformis* J.L. Mulder & R.H. Stover (1976) Ascomycota, Pezizomycotina, Dothideomycetes; Black sigatoka	I: jika MP tidak diproses II. jika MP diproses	*Musa* spp. (pisang, banana)	daun	Africa: Benin, Burundi, Cameroon, Central African Republic, Comoros, DR Congo, Congo, Ivory Coast, Gabon, Ghana, Guinea-Bissau, Kenya, Madagascar, Malawi, Niger, Nigeria, Rwanda, Sao Tome and Principe, Tanzania, Togo, Uganda, Zambia. America: Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Netherlands Antilles, Nicaragua, Panama, Peru, USA, Hawaii, Venezuela. Asia: Bhutan, China (Fujian, Hainan, Taiwan), Malaysia, Philippines, Singapore, Thailand, Vietnam. Oceania: American Samoa, Australia, Cook Islands, Federated states of Micronesia, Fiji, French Polynesia, New Caledonia, Niue, Norfolk Island, Northern Mariana Islands, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu, Wallis, Futuna.

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83.	[a]:*Pyricularia setariae* Y. Nisik. (1927); (= *Pyricularia grisea f. sp. eleusines S. Yamanaka=Pyricularia oryzae Cavara,(1891)* [s]: *Magnaporthe oryzae* B.C. Couch, (2002) Ascomycota, Pezizomycotina, Sordariomycetes; blast of millet, leaf spot of millet	I: jika MP tidak diproses II. jika MP diproses	*Eleusine coracana* (finger millet), *Setaria italica* (foxtail millet) *Avena sativa* (oat, oats), *Hordeum vulgare* (barley), *Pennisetum glaucum* (pearl millet), *Zea mays* (jagung, maize)	biji, batang, daun, tangkai malai	Africa: Tanzania, Uganda Asia: China, India, Japan, Malaysia, Sri Lanka
84.	[a]: *Sarocladium strictum* (W. Gams) Summerbell (2011); (=*Sarocladium zeae* W. Gams & D.R. Sumner, (2011) =*Acremonium strictum* W.Gams (1971) =*Tilachlidium mediterratis* Novobr, (1972) =*Acremonium stricta* =*Hyalopus acremonium* (Corda) M.A.J. Barbosa =*Cephalosporium acremonium* Corda [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; acremonium wilt, black bundle disease of maize, kernel rot of maize;	I: jika MP tidak diproses II. jika MP diproses	*Zea mays* (jagung, maize) *Arachis hypogaea* (kacang tanah, peanut), *Avena sativa* (gandum, oats), *Glycine soja*, *Sorghum bicolor*, (sorghum),	biji,batang , daun	Africa: Burkina Faso, Cameroon, Egypt, Libya, Nigeria, South Africa, Uganda. America: Mexico, USA, Argentina, Brazil, Chile. Asia: China, India, Iran, Pakistan, Syria, Turkey. Europe: Czech Republic and Slovakia, Italy, Netherlands, Poland, Russia, Spain. Oceania: Australia

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85.	[a]:*Sclerotium gladioli* Massee (1928) [s]:*Stromatinia gladioli*(Drayton) Whetzel (1945)(=*Sclerotinia gladioli* Drayton (1934) Basidiomycota, Agaricomycotina, Agaricomycetes; gladiolus dry rot	I: jika MP tidak diproses II. jika MP diproses	*Gladiolus* spp.	umbi, akar, batang	Africa: South Africa Europe: UK
86.	[a]: *Septoria pisi*Westend (1857); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; septoria blight/blotch	I: jika MP tidak diproses II. jika MP diproses	*Pisum sativum* (kapri, sweet pea), *Vicia faba*	biji, daun, polong	America: Canada, USA Europe: Denmark, Finland, Ireland, Norway, Sweden Oceania: New Zealand
87.	[a]: *Septoria selenophomoides*Cash & Watson (1955); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; leaf spot	I: jika MP tidak diproses II. jika MP diproses	Orchidaceae	tanaman, daun, tangkai bunga	America
88.	[a]: *Setophoma terrestris* (H.N. Hansen) Gruyter, Aveskamp & Verkley (2010); (= *Phoma terrestris* H.N. Hansen (1929) =*Pyrenochaeta terrestris* (H.N. Hansen) Gorenz, J.C. Walker &	I: jika MP tidak diproses II. jika MP diproses	*Allium* spp. *Asparagus officinalis* (asparagus, asparagus), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn, maize)	tanaman, umbi, akar	Africa: Senegal America: Argentina,USA, Venezuela Oceania: Australia Europe: Netherlands, Greece, Poland, Israel

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	Larson (1948) [s]: - Setophoma; *onion* pink root				
89.	[a]: *Sphaceloma arachidis* bitanc & Jenkins (1940); [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; groundnut scab, peanut scab, scab of groundnut, scab: groundnut	I: jika MP tidak diproses II. jika MP diproses	*Arachys hypogaea* (kacang tanah, groundnut, peanut)	batang, daun,	Africa: Swaziland America: Argentina, Brazil, Colombia Asia: China, Japan
90.	[a]:*Sphaceloma manihoticola* Bitanc. & Jenkins [s]:*Elsinoe brasiliensis* Bitanc. & Jenkins 1942(= *Elsinoë jatrophae*); Ascomycota, Pezizomycotina, Dothideomycetes; superelongation disease of cassava, cassava root enlargement	I: jika MP tidak diproses II. jika MP diproses	*Manihot esculenta* (ubi kayu, cassava)	batang muda, daun	America: Barbados, Brazil, Colombia, Mexico, Panama, Venezuela Oceania: Cook Islands
91.	[a]: *Sphaceloma rosarum* (Pass.) Jenk. 1932 =*Phyllosticta rosarum* Pass. 1881 [s]: *Elsinoe rosa rum*Jenk. & bitanc; Ascomycetes; kudis, scab	I: jika MP tidak diproses II. jika MP diproses	*Rosa* spp. (mawar, rose)	batang, daun, tangkai bunga	America: USA.

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92.	[a]:*Stagonospora nodorum* (Berk.) Castell. & E.G. Germano (1977); (= *Depazea nodorum* Berk. (1845) =*Hendersonia nodorum* (Berk.) Petr. (1947) =*Septoria nodorum* (Berk.) Berk. (1845) =*Septoria glumarum* Pass. (1879) =*Phoma henneber*gii J.G. Kühn (1877) =*Macrophoma henneber*gii (J.G. Kühn) Berl. & Voglino (1886) =*Rhabdospora henneber*gii (J.G. Kühn) Sacc. & D. Sacc. (1906) =*Stagonospora henneber*gii (J.G. Kühn) Petr. & Syd. (1925) =*Septoria holci* Pass. (1879) [s]:*Phaeosphaeria nodorum* (E. Müll.) Hedjaroude (1968); (=*Leptosphaeria nodorum* E. Müll. (1952) Ascomycota, Pezizomycotina, Dothideomycetes; glum blotch	I: jika MP tidak diproses II. jika MP diproses	*Triticum aestivum* (gandum, wheat), Secale cereale (rye), *Hordeum vulgare* (barli, barley) Agropyron, *Bromus inermis*, *Cynodon dactylon*, *Lolium perenne*, *Triticale*	biji, daun	Africa: Angola, Ethiopia, Kenya, Malawi, Morocco, South Africa, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Mexico, USA Asia: Armenia, Bhutan, China,Taiwan, India, Israel, Japan, Korea, Lebanon, Nepal, Pakistan, Philippines, Saudi Arabia Europe: Austria, Belgium, Bulgaria, Czech, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Netherlands, Norway,Poland, Portugal, Romania, Rusia, Slovakia, Spain, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceania: Australia, New Zealand	

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93.	[a]:*Stenocarpella maydis* (Berk) B. Sutton (1980); (=*Sphaeria maydis* Berk. (1847) =*Diplodia zeae* Lév. (1848) =*Diplodia maydis*(Berk.) Sacc. (1884) =*Diplodia maydicola* Speg. (1910) =*Macrodiplodia zeae* (Lév.) Petr. & syd. (1923) =*Sphaeria zeae* Schwein. (1832) =*Hendersonia zeae* (Lév.) Hazsl. (1872) =*Phaeostagonosporopsis zeae* (Lév.) Woron. (1925) =*Diplodia zeae-maydis* Mekht. (1962) [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; ear rot of maize, leaf spot of maize, stalk rot of maize, seedling blight of maize, leaf blight of maize, leaf blight of Sorghum spp., leaf spot of grasses, Diplodia ear and stalk rot, white ear rot of maize	I: jika MP tidak diproses II. jika MP diproses	*Zea diploperennis*, *Zea mays* (jagung, maize), *Zea mays* subsp. *mays (sweetcorn)*	biji, daun, batang, bunga	Africa: Congo, DR Congo, Ethiopia, Ghana, Kenya, Malawi, Nigeria, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe America: Belize, Honduras, Canada, Mexico, USA, Argentina, Brazil, Colombia, Ecuador. Asia: China, India, Iran, Japan, South Korea, Nepal, Pakistan, Thailand. Europe: Austria, Bulgaria, Czech, Italy, Serbia-Montenegro, UK. Oceania: Australia, New Zealand.
94.	[a]:*Stilbella flavidum* (Cooke) Henn. (1904) [s]:*Mycena citricolor* (Berk. &	I: jika MP tidak diproses	*Coffea* spp. (kopi, coffee), *Citrus*, *Cinchona officinalis* (kina, quinine tree)	buah, daun, batang,	America: Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El

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	M.A. Curtis) Sacc.; (=*Omphalopsis citricolor* (Berk. & M.A. Curtis) Murrill =*Omphalia flavida* Maubl. & Rangel (1914) =*Agaricuscitricolor* =*Stilbum flavidum* Ascomycota, Pezizomycotina, Sordariomycetes; American leaf spot of coffee, American: coffee leaf spot, cock's eye spot, iron spot of coffee	II. jika MP diproses	*Theobroma cacao* (kakao, cocoa)	bibit, tanaman hasil mikroprop agasi	Salvador, Guyana France, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA
95.	[a]:*Synchytrium endobioticum* (Schilb.) Percival (1909); =*Chrysophlyctis endobioticum* Schilb. (1896) =*Chrysophlyctis endobiotica* Schilb (1896) =*Synchytrium solani*Massee (1910); [s]: - Chytridiomycota, Chytridiomycetes; black wart of potato, potato black scab, potato wart disease, wart disease of potato	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, *potato*) *Solanum nigrum, Solanum dulcamara, Hyoscyamus niger, Nicandra physalcides, Solanum lycopersicum* (tomat, tomato)	umbi, akar, media tanam	Africa: Algeria, South Africa, Tunisia America: Bolivia, Canada, Chile, Ecuador, Falkland Islands, Peru, USA, Asia: Armenia, Bhutan, India, Nepal Europe: Austria, Belarus, Belgium,Czech, Denmark, Estonia,Faroe Islands, Finland, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Rusia, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and

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					Herzegovina, Montenegro, Macedonia
					Oceania: New Zealand
96.	[a]:*Thanatophytum crocorum* (Pers.: Fr.) Nees (1816); (=*Rhizoctonia crocorum* (Pers.) DC., (1815); *Helminthosporium rhizoctonon* Rabenh. (1855); *Helminthosporium rhizoctonum* Rabenh. (1855); *Hypochnus violaceus* Erikss. (1912); *Rhizoctonia asparagi* Fuckel ex Erikss. (1915); *Rhizoctonia asparagi* Fuckel, (1870); *Rhizoctonia medicaginis* DC., (1815); *Rhizoctonia rubiae* M.J. Decne., (1837); *Rhizoctonia violacea* f. dauci J.G. Kühn (1875); *Tuber croci* Dubois, (1803); *Tuber parasiticum* Bull., (1790) [s]:*Helicobasidium brebissonii* (Desm.) Donk, (1958); (=*Helicobasidium purpureum* (Tul.) Pat., (1885)	I: jika MP tidak diproses II. jika MP diproses	*Beta vulgaris* var *saccharifera* (bit gula, sugar beetroot) *Araucaria cunninghamii*, *Daucus carota* (wortel, carrot), *Ipomoea batatas* (ubi jalar, sweet potato), *Solanum tuberosum* (kentang, potato), *Morus* spp. (murbei, mulberry)	umbi, akar, bibit, batang	Africa: Algeria, Ethiopia, Kenya, Malawi, Morocco, Rhodesia, South Africa, Tanzania, Trinidad, Tunisia, Zambia, Zimbabwe America: Argentina, Barbados, Canada, Colombia, Dominica, Mexico, Trinidad and Tobago, USA, Uruguay Asia: China, India, Iran, Japan, Philippines, Turkey, Vietnam Europe: Austria, Belgium, Bulgaria, Czech, Denmark, England, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Romania, Rusia, Scotland, Slovakia, Sweden, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand
	Basidiomycota, Pucciniomycotina,				

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	Pucciniomycetes; Asparagus officinalis root rot, apple violet root rot, sweet potato, violet root rot				
97.	[a]:*Thecaphora solani*(Thirum & M.J. O'Brien) Mordue (1988); (=*Angiosorus solani* Thirum. & M.J. O'Brien (1974) =*Thecaphora solani* Barrus (1944); [s]: - Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; potato smut, thecaphora smut	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato)	umbi, daun, batang	America: Bolivia,Chile, Colombia, Ecuador, Mexico, Panama, Peru, Venezuela
98.	[a]:*Verticillium cinerescens* Wollenw. (1930) [s]: *Phialophora cinerescens* (Wollenw.) J.F.H. Beyma (1940); Ascomycota, Pezizomycotina, Eurotiomycetes; phialophora wilt, vascular wilt of carnation, wilt of carnation	I: jika MP tidak diproses II. jika MP diproses	*Dianthus* spp. *Helianthus annuus* (bunga matahari, sunflower), *Fragaria* spp.	tanaman, akar,batang, media tanam	America: Canada, Colombia, USA Asia: China Europe: Belgium, Bulgaria, Croatia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Rusia, Spain, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: New Zealand

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99.	[a]:*Zygophiala jamaicensis* E.W.Mason (=*Microbotryum violaceum* (Pers.) G. Deml & Oberw. =*Uredo violacea* Pers. =*Caeoma violaceum* (Pers.) Nees =*Uredo antherarum* DC. =*Ustilago antherarum* (DC.) Fr. =*Caeoma antherarum* (DC.) Schltdl. =*Microbotryum antherarum* (DC.) Lév. =*Erysibe antherarum* (DC.) Wallr. =*Ustilago silenes-nutantis* Liro) [s]:*Schizothyrium pomi*(Mont.) v. Arx (=*Leptothyrium porni* (Mont.) Arx =*Labrella porni* Mont. =*Asterina gaultheriae* M.A. Curtis =*Microthyriella paludosa* C. Booth) Ascomycota, Pezizomycotina, Dothideomycetes; greasy blotch, flyspeck, sooty blotch	I: jika MP tidak diproses II. jika MP diproses	*Citrus, Diospyros, Malus domesticum* (apel, apple), *Pyrus communis* (pir, pear), *Diospyros sp. (Malabar ebony)*	buah	America: USA Asia: China, India,Japan
100	[c]: *Aphanomyces euteiches*Drechsler (1925);	I: jika MP tidak diproses	*Vigna* spp. (buncis, cowpea), *Pisum sativum* (kapri, sweet pea), polong-polongan lain	bibit,akar, batang, media	America: Canada, USA Asia: China, India,Japan Europe: Czech, Denmark,

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	Chromista,Oomycetes; phanomyces root rot, common root rot, root rot	II. jika MP diproses	(legumes)		Finland, Rusia, France, Italy, Netherlands, Norway, Poland, Slovakia, Sweden, Ukraine
					Oceania: Australia, New Zealand
101	[c]:*Pachymetra chaunorhiza* B.J. Croft & M.W. Dick (1989) Oomycetes; pachymetra root rot	I	*Saccharum officinarum* (tebu, sugarcane), *Zea mays* (jagung, corn, maize), *Sorghum bicolor* (sorgum, sorghum)	tanaman, akar, media tanam	Oceania: Australia
102	[c]:*Peronospora hyoscyami*f.sp.*tabacina*(D.B. Adam) Skalicky; (= *Peronospora tabacina* =*Peronospora hyoscyami* =*Peronospora nicotianae* Oomycetes; angular tobacco leaf spot, blue mould of tobacco, downy mildew, tobacco black fire, tobacco blue mould, tobacco wildfire	I: jika MP tidak diproses II. jika MP diproses	*Nicotiana tabacum* (tembakau, tobacco) *Capsicum annuum* (paprika, bell-pepper), *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (terung, eggplant, aubergine)	daun, biji	America: Argentina, Brazil, Chile, Costa Rica, Cuba, Dominica, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, USA, Uruguay, Venezuela Asia: Armenia, Azerbaijan, Taiwan, Georgia, Iran, Iraq, Israel, Jordan, Lebanon, Myanmar, Syria, Turkey, Uni Arab Emirat, Yemen, Algeria, Egypt, Libya, Morocco, Tunisia Europe: Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Cyprus, Czech, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Luxembourg, Maccdonia, Moldova, Netherlands, Poland, Portugal,

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					Romania, Rusia, Spain, Slovakia, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
					Oceania: Australia
103	[c]:*Peronospora sparsa* Berk. (1862); (= *Peronoplasmopara sparsa* (Berk.) Uljan. (1967) =*Pseudoperonospora sparsa* (Berk.) Jacz. (1928) =*Peronospora rosae-gallicae* Savul. & Rayss (1934) =*Peronospora sanguisorbae* Gäum. (1923)	I: jika MP tidak diproses II. jika MP diproses		*Rosa* spp. (mawar, rose), *Punus laurocerasus, Rubus* spp.	daun, buah, bunga, tanaman hasilmikro propagasi, akar, batang	Africa: Egypt America: USA, Canada, Brazil, Colombia Asia: Israel Europe: Finland, Ireland, France, Scandinavia, UK, Russia, Russia Oceania: Australia.
	Oomycetes; downy mildew					
104	[c]:*Peronospora viciae*f.sp*pisi*(Sydow) Boerema & Verhoeven Oomycetes; pea downy mildew	I: jika MP tidak diproses II. jika MP diproses		*Pisum sativum* (kapri, sweet pea), *Vicia faba*	biji, buah, bunga, daun, batang	Asia: India Europe: Scandinavia
105	[c]:*Phytophthora cryptogea* Pethybr. & Laff. (1919) Oomycetes; tomato foot rot, damping off, gerbera foot rot, black neck of chrysanthemum, tulip shanking, corm, stem and	I: jika MP tidak diproses II. jika MP diproses		*Actinidia chinensis* (Chinese gooseberry), *Actinidia deliciosa* (kiwifruit), *Allium cepa* (bawang bombay, onion), *Antirrhinum majus* (snapdragon), *Apium graveolens* (seledri, celery),	akar, batang, bibit tanaman, media tanam	Africa: Egypt, South Africa, Zimbabwe America: Canada, USA, Argentina, Brazil, Chile Asia: China, Iran, Japan, Jordan, Korea Europe: Austria, Bulgaria,

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leaf rot of gloxinia, pink rot of potato, stem rot, root rot, damping-off		*Asparagus officinalis* (asparagus), Aster, *Brassica oleracea var. botrytis* (bunga kol, cauliflower), *Cajanus cajan* (pigeon pea), Calathea, *Calendula officinalis* (Pot marigold), *Callistephus chinensis* (China aster), *Capsicum annuum* (bell pepper), Castanea (chestnuts), *Celosia argentea* (celosia), Chrysanthemum (daisy), *Chrysanthemum frutescens* (marguerite), *Chrysanthemum vestitum*, Cichorium (chicory), *Cichorium intybus* (chicory), *Citrullus lanatus* (semangka, watermelon), Citrus, Clarkia (satin flowers), *Consolida ambigua* (rocket larkspur), Cotoneaster, *Cucumis melo* (melon), *Cucumis sativus* (ketimun, cucumber), Cucurbita (pumpkin), *Cucurbita maxima* (giant pumpkin), *Cucurbita moschata* (labu, pumpkin), *Cucurbita pepo* (ornamental gourd), Cupressus (cypresses), *Cyamopsis tetragonoloba* (guar),		Croatia, Czech, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Poland, Russia, Serbia-Montenegro, Slovakia, Spain, Sweden, UK Oceania: Australia, New Zealand, Papua New Guinea	

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		Cyphomandra betacea (tree tomato), Dahlia, *Daucus carota* (wortel, carrot), *Dianthus barbatus* (sweet williams), *Dianthus caryophyllus* (anyelir, carnation), Erica (heaths), *Erysimum cheiri* (wallflower), *Eucalyptus spp.*, *Euphorbia pulcherrima* (poinsettia), Fragaria (strawberry), Gerbera (Barbeton daisy), *Gerbera jamesonii* (African daisy), *Gladiolus hybrids* (sword lily), *Glycine max* (kedelai, soyabean), *Gynura bicolor*, *Gypsophila paniculata* (babysbreath), Hebe, *Helianthus annuus* (sunflower), *Humulus lupulus* (hop), *Juglans regia* (walnut), *Juniperus chinensis* (Chinese juniper), *Lactuca sativa* (lettuce), *Liatris spicata* (spike gayfeather), *Limonium sinuatum* (sea pink), *Lupinus spp.*, *Solanum lycopersicum* (tomat, tomato), *Malus domestica* (apel, apple), Maranta (arrowroot), *Matthiola incana* (stock), *Medicago sativa* (lucerne),		

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		Nasturtium officinale (watercress), *Nicotiana tabacum* (tembakau, tobacco), *Onobrychis vicijfolia* (sainfoin), *Papaver nudicaule* (Iceland poppy), *Parthenium argentatum* (Guayule), *Pericallis cruenta* (common cineraria), *Persea americana* (avocado), *Petroselinum crispum* (parsley), *Petunia hybrida*, *Phaseolus vulgaris* (common bean), Picea (spruces), Pinus (pines), *Pinus lambertiana* (big pine), *Pinus mugo* (mountain pine), *Pinus nigra* (black pine), *Pinus radiata* (radiata pine), *Pisum spp.*, *Populus simonii* (Simon poplar), *Prunus armeniaca* (aprikot, apricot), *Prunus avium* (sweet cherry), *Prunus cerasus* (sour cherry), *Prunus dulcis* (almond), *Prunus mahaleb* (mahaleb cherry), *Prunus persica* (peach), *Prunus salicina* (Japanese plum), *Rubus idaeus* (raspberry), *St.paulia ionantha* (African violet), *Salvia officinalis* (common		

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			sage), *Simmondsia chinensis* (jojoba), *Solanum melongena* (terung, aubergine), *Solanum tuberosum* (potato), *Spinacia oleracea* (bayam, spinach), *Syzygium samarangense* (water apple), *Tagetes erecta* (African marigold), *Tanacetum cinerariifolium* (Pyrethrum), *Triticum aestivum* (gandum, wheat), Tulipa (tulip), *Vicia villosa*, Viola (violet), *Vitis vinifera* (anggur, grapevine), *Zinnia elegans* (zinnia)		
106	[c]:*Phytophthora megakarya*Brasier & M.J. Griffin (1979) Oomycetes; black pod of cocoa, seedling blight of cocoa, trunk canker of cocoa	I: jika MP tidak diproses II. jika MP diproses		*Theobroma cacao* (kakao, cocoa)	buah, batang	Africa: Cameroon, Equatorial Guinea, Gabon, Ghana, Guinea, Nigeria, Togo
107	[c]:*Phytophthora megasperma* Drechsler 1931; (= *Phytophthora megasperma* var. *megasperma* Drechsler 1931 =*Pythiomorpha miyabeana* S. Ito & Nagai 1931 Oomycetes; root rot, crown rot, trunk canker, collar rot,	I: jika MP tidak diproses II. jika MP diproses	*Actinidia deliciosa* (kiwifruit), *Asparagus officinalis* (asparagus), *Brassica oleracea* (cabbages, cauliflowers), *Brassica oleracea var. botrytis* (cauliflower), *Brassica oleracea var. capitata* (cabbage), *Brassica oleracea var. gemmifera* (Brussels	tanaman, umbi, buah, polong, daun, akar, batang, bibit, bahan perbanyak	America: Canada, USA, Argentina, Chile Asia: China, India, Iran, Japan, Korea Republic of (South Korea), Philippines Europe: Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Greece, Ireland, Italy, Spain, UK,	

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apoplexy, sudden wilt, fruit rot, stem blight, seed-piece rot, tuber rot, pod rot, black rot, blight, spear rot		sprouts), *Brassica rapa subsp. pekinensis* (Pe-tsai), *Daucus carota* (carrot), *Juglans regia* (walnut), *Solanum lycopersicum* (tomato), *Malus domestica* (apple), *Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus cerasus* (sour cherry), *Prunus domestica* (plum), *Prunus dulcis* (almond), *Prunus mahaleb* (mahaleb cherry), *Prunus persica* (peach), *Prunus salicina* (Japanese plum), *Pseudotsuga menziesii* (Douglas-fir), *Solanum tuberosum* (potato) *Aesculus hippocastanum* (buckeye), *Alcea rosea* (*Hollyhock*), *Banksia*, *Buddleia* (Butterflybush), *Carthamus tinctorius* (safflower), *Castanea sativa* (*chestnut*), *Chamaecyparis lawsoniana* (Port Orford cedar), *Cicer arietinum* (chickpea), *Cytisus* (Broom), *Dahlia*, *Dianthus caryophyllus* (carnation), *Eucalyptus* (Eucalyptus tree), *Matthiola incana* (stock),	an tanaman (hasil mikroprop agasi)	Scotland Oceania: Australia, New Zealand	

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		Narcissus (daffodil), *Parthenium argentatum* (Guayule), *Pinus* (pines), *Ribes uva-crispa* (gooseberry), *Rubus idaeus* (raspberry), *Saccharum officinarum* (sugarcane), *Sorbus aria* (whitebeam), *Sorbus aucuparia* (mountain ash), *Vicia faba* (broad bean)			
108	[c]:*Phytophthora phaseoli* Thaxt. (1889); (= *Phytophthora infestans* var. *phaseoli* (Thaxt.) Leonian (1925) Oomycetes; Phaseolus leaf blight, collar rot of lima bean	I: jika MP tidak diproses II. jika MP diproses	*Phaseolus lunatus*	biji, daun,batang, akar, media tanam	Africa: DR Congo America: Mexico, Puerto Rico, USA Asia: Sri Lanka, Philippines Europe: Italy,Rusia	
109	[c]: *Phytophthora sojae*Kaufm & Gerd.;(=*P. megasperma* var. *sojae*Hildebr. =*Phytophthora megasperma* f.sp. *glycinea* T.L. Kuan & Erwin; =*Phytophthora sojae* f.sp. *glycines*); Chromista; Oomycota; Pythiales; Pythiaceae; Phytophthora root and stem rot, root and stem rot of	I: jika MP tidak diproses II. jika MP diproses	*Glycine max* (kedelai, soyabean) *Lupinus* sp.	polong, biji, media tanam (tanah), daun, akar, batang,	America: Argentina, Brazil, Canada, Chile, USA Asia: China, Iran, Japan, Korea Republic of (South Korea), Mongolia, Pakistan Europe:Bulgaria, France, Italy, Poland, Russia, Slovenia, Switzerland, Ukraine Oceania:Australia	

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	soybean, root and stem rot of soyabean				
110	[c]: *Sclerophthora macrospora*(Sacc.) *Thirum., C.G. Shaw & Naras; (* =*Sclerospora oryzae* = *Phytophthora macrospora* =*Sclerospora kriegeriana* =*Nozemia macrospora* =*Sclerospora macrospora);* Oomycetes; downy mildew; crazy top of maize, yellow wilt of rice, witches' broom on maize	I: jika MP tidak diproses II. jika MP diproses	*Avena sativa* (oat, oats), *Eleusine coracana* (finger millet), *Hordeum vulgare* (barley), *Oryza sativa* (padi, paddy, rice), *Pennisetum glaucum* (pearl millet), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Triticum* (wheat), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, maize). *Bromus inermis* (Awnless brome), *Digitaria sanguinalis* (large crabgrass), *Echinochloa crus-galli* (barnyard grass), *Eleusine indica* (goose grass) *Elymus repens* (quackgrass) *Eragrostis* (lovegrasses), *Lolium temulentum* (darnel), *Panicum capillare* (tumble panicgrass), *Poa* (meadow grass), *Setaria viridis* (green foxtail), *Stenotaphrum secundatum* (buffalograss)	media tanam, bunga, daun, akar, batang, biji	Africa: Ethiopia, Mauritius,South Africa, Uganda. American: Cuba, Canada, Mexico, USA, Brazil, Peru, Venezuela. Asia: China, India, Iran, Iraq, Japan, Kazakhstan, Korea, Pakistan, Syria, Thailand, Turkey. Europe: Austria, Bulgaria, Germany, Italy, Poland, Serbia-Montenegro, Slovenia, Switzerland. Oceania: Australia, New Zealand
111	[c]: *Sclerospora graminicola* (Sacc.) J. Schrot (1886); (=*Sclerospora graminicola* var. *setariae-italicae*	I: jika MP tidak diproses II. jika MP	*Pennisetum glaucum* (pearl millet), *Zea mexicana* (teosinte) *Saccharum officinarum*	bunga, batang, biji, daun	Africa: Burkina Faso, Chad, Ivory Coast, Egypt, Gambia, Ghana, Malawi, Mauritania, Mozambique, Niger, Nigeria,

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	=*Protomyces graminicola* =*Peronospora graminicola* =*Peronospora setariae* =*Ustilago urbani*); Oomycetes; downy mildew of pearl millet, green ear	diproses	(sugarcane), *Zea mays* (maize)		Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zimbabwe America: Puerto Rico, Canada, Mexico, USA, Hawaii, Argentina Asia: China, Taiwan, India, Iran, Israel, Japan, Kazakhstan, South Korea, Pakistan, Yemen Europe: Bulgaria, Czech, Slovakia, France, Germany, Hungary, Italy, Netherlands, Poland, Romania, Russia, Russia (Europe), Spain, Switzerland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceania: Fiji
112	[c]:*Trachysphaera fructigena*Tabor & Bunting (1923); Oomycetes; cigar end rot of banana, berry rot of coffee, fungus rot of banana, mealy pod of cacao, fruit rot of coffee, pod rot of cacao	I: jika MP tidak diproses II. jika MP diproses	*Theobroma cacao* (kakao, cocoa), *Musa*spp. *Pyrus*, *Prunus*, *Malus* and *Citrus*, *Coffea* spp. (kopi, coffee), *Persea americana* (alpokat, avocado)	buah, bunga	Africa: Cameroon,Central Africa, Chad, DR Congo, Congo, Ivory Coast, Equatorial Guinea, Gabon, Ghana, Guinea, Madagascar, Nigeria, Sierra Leone
113	[r]:*Aecidium cantense* Arthur (1929); Basidiomycota, Pucciniomycotina;	I: jika MP tidak diproses II. jika MP	*Solanum tuberosum* (kentang, potato), *Solanum lycopersicum* (tomat, tomato), *Ullucus tuberosus*	tanaman,buah unga, buah, batang,	America: Peru

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	Pucciniomycetes; Aecidium potato rust, deforming potato rust, deforming rust, Peruvian rust	diproses		daun	
114	[r]: *Armillaria luteobubalina* Watling & Kile (1978); *Basidiomycota, Agaricomycotina, Agaricomycetes*; armillaria root rot; honey root rot	I: jika MP tidak diproses II. jika MP diproses	*Acacia dealbata* (acacia bernier), Acacia melanoxylon (Australian blackwood), Actinidia chinensis (Chinese gooseberry), Prunus persica (persik, peach), Citrus reticulata (jeruk mandarin, mandarin orange), Citrus sinensis (jeruk, navel orange), Cotoneaster, Cycas revoluta (sago cycas), Hibiscus (rosemallows), Malus (ornamental species apple), Melia azedarach (Chinaberry), Nerium oleander (oleander), Pinus radiata (radiata pine), Prunus (buah batu, stone fruit), Prunus dulcis (almond), Rhododendron indicum (Satsuki azalea), Salix (willows), Taxus (yew), Viburnum, Vitis vinifera (anggur, grapevine)	akar, batang, bibit, umbi	Oceania: Australia, Papua New Guinea
115	[r]: *Hemileia coffeicola*Maubl & Roger, (1934); (=*Uredo coffeicola*); Basidiomycetes,	I: jika MP tidak diproses II. jika MP	*Coffea* spp. (kopi, coffee)	daun	Africa: Cameroon, Central Africa, DR Congo, Ivory Coast, Nigeria, Sao Tome & Principe, Togo, Uganda

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	Pucciniomycotina, Pucciniomycetes; grey rust of coffee powdery rust of coffee, coffee rust	diproses			
116	[r]:*Phragmidium mucronatum*(Pers.) Schlect; (= *Phragmidium disciflorum* Basidiomycetes; rust	I: jika MP tidak diproses II. jika MP diproses	*Rosa* spp. (mawar, rose)	daun, batang	Africa: Egypt America: Chile Asia: Japan Europe: Bulgaria, Germany, Italy
117	[r]:*Puccinia asparagi* DC. (1805); (=*Uredo asparagi* Lasch (1848) =*Aecidium asparagi* Lasch (1848) =*Dicaeoma asparagi* (DC.) Kuntze (1898) =*Persooniella asparagi* (DC.) Syd.(1922) =*Puccinia discoidearum* var. *asparagi* (DC.) Wallr. (1833) Urediniomycetes; asparagus rust	I: jika MP tidak diproses II. jika MP diproses	*Asparagus officinalis* (asparagus, asparagus)	daun, batang, biji, bibit	Africa: Angola, Ethiopia, Kenya, Morocco, South Africa, Tanzania, Uganda, Zambia America: Canada, Cuba, Dominica, Mexico, USA Asia: Azerbaijan, China, Taiwan, Georgia, India, Iran, Israel, Japan, Kazakhstan, Philippines, Turkey, Turkmenistan, Uzbekistan Europe: Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Finland, France, Germany, Hungary, Italy, Latvia, Lithuania, Netherlands, Norwagia, Poland, Portugal, Romania, Russia
118	[r]:*Puccinia coronata* Corda (1837); (= *Puccinia coronata* var. *bromi* W.P. Fraser & Ledingham (1933) =*Puccinia coronata* var. *calamagrostis* W.P.	I: jika MP tidak diproses II. jika MP diproses	*Agrostis capillaris* (brown bentgrass), *Agrostis gigantea* (black bent), *Agrostis stolonifera* (creeping bentgrass), *Alopecurus aequalis* (Dent foxtail),	bunga, daun, batang	Africa: Algeria, Egypt, Ethiopia, Kenya, Morocco, Tanzania America: Canada, Mexico, USA, Argentina, Brazil, Chile, Uruguay Asia: India, Israel, Japan,

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Fraser & Ledingham (1933) =*Puccinia coronata* var. *elaeagni* W.P. Fraser & Ledingham (1933) =*Puccinia loliii* =*Puccinia sertata* =*Puccinia coronata var. loli* =*Puccinia coronata var. sertata* =*Puccinia alpiniae-coronata* =*Puccinia mediterranea* =*Puccinia coronata f. holci* =*Puccinia coronata var. calamagrosteos* =*Aecidium alaterni* =*Aecidium cathartici* =*Aecidium frangulae* =*Aecidium rhamni* =*Aecidium rhamni-alipnae* =*Aecidium rhamni-infectoriae* =*Puccinia coronata var. intermedia* =*Puccinia pumilae-coronata* =*Puccinia alpinae-coronata* =*Puccinia coronata var. avenae*); Urediniomycetes; crown rust, crown rust of oat, oat crown rust, leaf rust of oats		*Arrhenatherum elatius* (false oatgrass), *Avena sativa* (oats), *Bromus erectus* (upright brome(grass)), *Bromus tectorum* (downy brome), *Calamagrostis epigejos*, *Festuca arundinacea* (reed fescue), *Festuca ovina* (sheeps fescue), *Festuca pratensis* (English bluegrass), *Festuca rubra* (red fescue), *Lolium rigidum* (rigid ryegrass), *Phalaris canariensis* (Canarygrass), *Phleum pratense* (timothy), *Secale cereale* (rye), *Trisetum flavescens* (yellow oatgrass) *Rhamnus caroliniana* (Carolina buckthorn), *Rhamnus cathartica* (buckthorn), *Rhamnus frangula* (alder buckthorn), turfgrasses		Kazakhstan, Mongolia, Uzbekistan Europe: Austria, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech, Denmark, Estonia, Finland, France, Corsica, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia-Montenegro, Slovakia, Spain, Canary Islands, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceania: Australia, New Zealand

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119	[r]: *Sphenospora saphena*Cummins; Basidiomycetes; rust	I: jika MP tidak diproses II. jika MP diproses	*Oncydium orchids*	daun, tangkai	America: USA
120	[r]:*Uredo nigropuncta*Henn. (1896); (=*Uredo guaca*e Mayor (1913) =*Uredo behnickiana* Henn. (1896) =*Uredo epidendri* Henn =*Uredo nigropuncta* Henn) Basidiomycetes; rust	I: jika MP tidak diproses II. jika MP diproses	Orchidaceae, *Cattleya* sp, *Epidendrum* sp.	daun, tangkai	America: Argentina, USA, Nicaragua, Bahama, Brazil, Bolivia, Colombia, Cuba.

VII.BAKTERI (*BACTERIA*) DAN FITOPLASMA (*PHYTOPLASMA*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Acetobacter aceti* (Pasteur, 1864) Beijerinck 1989 (= *Bacterium aceti* Beij, *Mycoderma aceti* Pasteur) pink disease of pineapple	I	*Ananas comosus* (nanas, pineapple), Malus domestica (apel, apple), *Pyrus communis* (European pear)	buah	America: USA Asia: Philippines Oceania: Australia
2.	*Acidovorax citrulli*(Manns) Willems *et al* (=*Acidovorax avenae* subsp. *citrulli*(Manns) Willems *et al.* =*Pseudomonas avenae* subsp. *citrulli* = *P.pseudoalcaligenes* subsp.	I	*Cucumis melo* (melon, melon), *Citrullus vulgaris* (semangka, watermelon), *Cucurbita maxima* (waluh, labu parang, pumpkin), *Cucumis sativus* (mentimun, cucumber)	biji, daun, buah, batang, bibit	America: USA, Brazil, Costarica Asia: Turkey, China, Japan, Taiwan, Thailand Oceania: Australia, Guam, Northern Mariana Island

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	citrulli); Burkholderiales, Comamonadaceae; busuk buah, fruit blotch, fruit rot					
3.	*Burkholderia andropogonis* (Smith) Gilliset *al.*; (=*Aplanobacter stizolobii* =*Bacterium andropogonis* =*B.stizolobii* =*B.woodsii* =*Phytobacterium andropogonis* =*P.Stizolobii* =*P.woodsii* =*Phytomonas andropogonis* =*P.stizolobii* =*P.woodsii* =*Pseudomonas andropogonis* =*P.andropogonis* pv. *Stizolobii* =*P.stizolobii* =*P.woodsii*); Burkholderiales: Burkholderiacea; bacterialstripe, striping	I	*Zea mays* (jagung, corn, maize), *Triticum aestivum* (gandum, wheat), *Sorghum bicolor* (sorgum, sorghum), *Dianthus* spp. (anyelir, carnation), *Bougainvillea* spp. (bogenvil, bougenville), *Trifolium repens* (white clover), *Vicia sativa* (common vetch), *Ceratonia siliqua* (locust bean), *Cicer arietinum* (chick paea), *Gypsophila paniculata* (baby's breath), *Limonium sinuatum* (sea pink), *Rusus, Trifolium pratense* (purple clover), *Trifolium subterraneum* (subterraneum clover), *Tulipa* (tulip), *Vaccinium* (blueberries), *Simmondsia chinensis* (jojoba), *Dypsis lutescens* (golden cane palm)	bunga, tunas, jaringan meristem, tanaman hasil mikropropa gasi, bibit	Africa: Ethiopia, Kenya, Mauritania, Nigeria, Rwanda, South Africa, Sudan, Togo, Uganda, Zambia, Zimbabwe. America: Argentina, Brazil, Canada, Colombia, Costa Rica, Cuba, El Salvador, Haiti, Honduras, Mexico, USA, Uruguay, Venezuela Asia: China, Hongkong, Iraq, Japan, Pakistan, Philippines, Thailand, Taiwan Europe: Bulgaria, Hungary, Italy, Polandia, Portugal, Russia, United Kingdom Oceania: Australia, Federasi Micronesia, New Zealand.
4.	*Burkholderia gladioli*Yabuuchi *et al.*; (=*Pseudomonas gladioli*); Burkholderiales: Burkholderiacea;spot of orchids; soft rot of orchids;	I	G*ladiolus* spp., *Aspleniu*m *nidus* (bird's nest fern), *Crocus sativus* (saffron), *Eustoma grandiflorum* (Lisianthus (cut flower	umbi, akar, batang, daun, bunga, buahdan	Africa: Algeria. America: USA Asia: China, Japan.	

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	bacterial crown rot of lisianthus; busuk umbi		crop), Orchidaceae (orchids), *Poa annua* (annual meadowgrass).	media tanam	
5.	*Clavibacter michiganensis* subsp. *nebraskensis*(Vidaver & Mandel) Davis *et al.*; (=*Corynebacterium michiganense* pv. *nebraskensis* =*C.michiganense* subsp. *nebraskense* =*C.nebraskense)*;Actynomycetales: Microbacteriaceae;bacterial stripe, freckles and wilt	I	*Zea mays* (jagung, corn, maize), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Sorghum sudanense* (Sudan grass), *Zea mexicana* (teosinte) *Triticum aestivum* (gandum, wheat), *Echinochloa crus-galli* (barnyard grass)	biji, akar, batang, daun, bunga, buah, bibit, tanaman hasil mikropropa gasi	America: USA, Canada
6.	*Clavibacter michiganensis* subsp.*sepedonicus*(Spieckermann & Kotthoff) Davis et al.; (=*Aplanobacter sepedonicus* =*Bacterium sepedonicum* =*Corynebacterium michiganense* pv. *sepedonicum* =*C. michiganense* subsp. *sepedonicum* =*C.sepedonicum* =*Mycobacterium sepedonicum* =*Phytomonas sepedonica* =*Pseudobacterium sepedonicum*); Actynomycetales: Microbacteriaceae; bacterial ring rot	I	*Solanum tuberosum* (kentang, potato) *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (terung, eggplant), *Lycopersicon pimpinellifolium* (currant tomato)	umbi, biji, media tanam, akar, batang, daun, bunga, buah, tanah, bibit, tanaman hasil mikropropa gasi	Africa: Algeria America: Canada, USA, Venezuela, Mexico, Costa Rica, Haiti, Panama, Peru Asia: Afganistan, Cambodia, China, Israel, Taiwan, Japan, Kazakhstan, Korea, Lebanon, Nepal, Pakistan, Turkey, Uzbekistan, Vietnam, Asia Tenggara Europe: Austria, Belarus, Croatia, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Crete, Latvia, Lithuania, Netherlands, Norway, Poland, Russia, Siberia, Sweden,

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					Ukraine, Belgia, Bulgaria, Hungaria, Irlandia, Italy, Romania, Slovakia, Slovenia, Spain, Switzerland, United Kingdom
7.	*Curtobacterium flaccumfaciens*pv.*flaccumfaciens* (Hedges) Collins & Jones; (=*Bacterium flaccumfaciens* = *Corynebacterium flaccumfaciens* pv. *flaccumfaciens* =*C.flaccumfaciens* ssp. =*C.flaccumfaciens* =*Phytomonas flaccumfaciens* =*Pseudomonas flaccumfaciens*); Actynomycetales: Microbacteriaceae; bacterial wilt	I	*Glycine max* (kedelai, soybean), *Zea mays* (jagung, corn, maize), *Vigna radiata* (kacang hijau, mungbean), *Vigna* spp. (kacang panjang, cowpea), *Phaseolus coccineus* (runner bean), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), *Zornia* spp., *Ipomoea* (morning glory), *Lablab purpureus* (hyacinth bean)	biji, buah, batang, bibit, tanaman hasil mikropropagasi (*planlet*)	Africa: Mauritius, Tunisia, Kenya America: Brazil, Colombia, USA, Venezuela, Canada, Mexico Asia: Turkey Europe: Romania, Russia, Albania, Belgium, Bulgaria, France, Germany, Greece, Hungary, Italy, Netherland, Poland, Portugal, Russia, Serbia, Spain, Switzerland, Ukraine, Yugoslavia Oceania: Australia
8.	*Dickeya chrysanthemi* (= *Erwinia chrysanthemi* (Bulkholder, Mc. Fadden & Dimock); =*Erwinia carotovora* f.sp. *parthenii* =*E.carotovora* f.sp. *zeae* =*E.carotovora* var. *chrysanthemi* =*E.dieffenbachiae* =*E.maydis* =*E.paradisiaca*=*Pectobacterium carotovorum* f. sp. *chrysanthemi* =*P.carotovorum* var. *chrysanthemi*	I	*Chrysanthemum* spp., Araceae, *Aglaonema*, *Aloe vera* (lidah buaya), *Allium spp.* (bawang-bawangan), *Begonia*, *Brachiaria*, *Brassica oleraceae* var. *botrytis* (kol bunga, cauliflower), *Dieffenbachia*, *Dianthus*, *Dracaena marginata*, *Elettaria cardamomum*, *Pelargonium zonale* hybrids, *Petunia*	umbi, batang, daun, media tanam (tanah)	Africa: Algeria, Comoros, Congo, Cote d'Ivoire, Egypt, Morocco, Reunion, South Africa, Sudan, Zimbabwe, America: Aruba, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Ecuador, French Guiana, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Panama, Peru, Puerto Rico, Saint Lucia,

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=*P.carotovorum* var. *graminarum* =*P.chrysanthemi*=*P.chrysanthemi* pv. *zeae* =*P.parthenii-dianthicola*; Enterobacteriales: Enterobacteriaceae; busuk kaki, bacterial wilt, bacterial soft rot	*hybridaPhilodendron*, *Anggrek Vanda*, *Phalaenopsis*. *Aglaonema commutatum*, *Ananas comosus* (nenas, pineapple), *Apium graveolens* (seladeri, celery), *Brachiaria mutica*, *Brassica oleracea* var. *capitata* (kubis, cabbage), *Capsicum annuum* (paprika, bell-pepper), *Dieffenbachiamaculata*, *Dianthus* spp., *Lycopersicum esculentum* (tomat, tomato), *Panicum maximum*, *Pennisetum purpureum*, *Philodendron* spp., *Aechmea fasciata*, Anemone, *Celosia argentea*, *Cichorium endivia* (andewi, endevi), *Cichorium intybus*, *Canna*, *Consolida ambigua*, *Cucumis melo* (melun, melon), *Colocasia esculenta* (taleus, taro), *Cynara scolimus* (artichoke), *Cyclamen*, *Dahlia pinnata*, *Daucus carota* (wortel, carrot), *Euphorbia pulcherrima*, *Helianthus annuus* (bunga matahari, sunflower), *Hyacinthus*,		United States of America, Venezuela Asia: Bangladesh, China, India, Iran, Japan, Korea Dem. People's Republic, Korea Republic, Malaysia, Nepal, Philippines, Saudi Arabia, Sri Lanka, Syria, Taiwan Europe: Austria, Belarus, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Poland, Portugal, Romania, Russia, Serbia, Spain, Sweden, Switzerland, United Kingdom (England, Scotland). Oceania: Australia, Cook Islands, New Zealand, Papua New Guinea, Solomon Islands	

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		Imperata cylindrica (alang-alang, bedding grass), *Ipomoea batatas* (ubi rambat, sweet potato), *Kalanchoe blossfeldiana*, *Lactuca sativa* (selada, lettuce) *Medicago sativa*, *Musa paradisiaca* (pisang kepok, plantain), *Musa textilis*, *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, paddy), *Paspalum*, *Parthenium argentatum*, *Phalaenopsis* sp.*Pyrus communis*, *Raphanus sativus* (lobak, radish), *Saccharum officinarum* (tebu, sugarcane), *Sedum spectabile*, *Saintpaulia ionantha*, *Solanum melongena* (terung, eggplant) *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), Sweet potato, *Syngonium podophyllum*, *Tagetes patula* (French marigold)*Tulip* spp., *Xanthosoma caracu*, *Zea mays* (jagung, corn, maize)		

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9.	*Dickeya dadantii*;Enterobacteriales: Enterobacteriaceae;bacterial wilt and soft rot of ornamentals and potato	I	*Pelargonium* sp., *Solanum tuberosum* (kentang, potato), *Ananas comosus* (nanas, pineapple), *Dianthus* spp., *Euphorbia* sp., *Ipomoea batatas* (ubi jalar, sweet potato), *Musa* sp. (pisang, banana), *Zea mays* (jagung, maize), *Philodendron* sp., *Sintpaulia* sp.	umbi, batang, daun, media tanam (tanah)	Asia: China, America: USA, Honduras, Puerto Rico, Europe: Belgium, France, Germany, Italy, United Kingdom
10.	*Dickeya dianthicola*;Enterobacteriales: Enterobacteriaceae; *slow wilt of Dianthus and potato*	I	*Dianthus* spp, *Solanum tuberosum* (kentang, potato), *Solanum lycopersicum* (tomat, tomato), *Cichorium* sp. (Chicory), *Cynara* sp. (Artichoke), *Dahlia* sp., *Hyacinthus* sp., *Iris* sp., *Kalanchoe* sp.	umbi, batang, daun, media tanam (tanah)	Asia: Japan, America: USA, Europe: Belgium, Denmark, Finland, France, Germany, Greece, Italy, Jersey, Netherlands, Poland, Romania, Sweden, Switzerland, United Kingdom, Oceania: New Zealand
11.	*Dickeya dieffenbachiae*;Enterobacteriales: Enterobacteriaceae	I	*Dieffenbachiae* sp., *Solanum lycopersicum* (tomat, tomato)	umbi, batang, daun, media tanam (tanah)	Asia: China, America: USA, Honduras, Puerto Rico, Europe: Belgium, France, Germany, Italy, United Kingdom
12.	*Dickeya paradisiaca*;Enterobacteriales: Enterobacteriaceae	I	*Musa* sp. (pisang, banana)	umbi, batang, daun, media tanam (tanah)	America: Cuba, Guatemala, Honduras, Jamaica, Panama, Colombia, Venezuela Oceania: Papua New Guinea

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13. *Dickeya solani*;Enterobacteriales: Enterobacteriaceae	I	*Solanum tuberosum* (kentang, potato)	umbi, batang, daun, media tanam (tanah)	Europe: Belgium, Finland, France, Poland, Netherlands, Spain) Africa: Israel
14. *Dickeya zeae*;Enterobacteriales: Enterobacteriaceae	I	*Zea mays* (jagung, Maize), *Solanum tuberosum* (kentang, potato), *Ananas comosus* (nanas, pineapple), *Musa* sp. (pisang, banana), *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, rice), *Brachiaria* sp, *Chrysanthemum* sp.	umbi, batang, daun, media tanam (tanah)	Asia: China, India, Iran, Japan, Korea Dpr, Korea Republic Of, Malaysia, Philippines, Taiwan, Africa: Comoros, Egypt, Mauritius, Réunion, South Africa, Sudan, Zimbabwe, America: Usa, Costa Rica, Cuba, Honduras, Jamaica, Panama, Puerto Rico, Brazil, Colombia, Guyana, Europe: France, Germany, Greece, Italy, Netherlands, Portugal, Russian Federation, Spain, Switzerland, United Kingdom, Oceania: Australia, Cook Islands, New Zealand
15. *Erwinia amylovora* (Burrill); (=*Bacillus amylovorus* =*Bacterium amylovorum* =*Erwinia amylovora* f.sp. *rubi* =*Micrococcus amylovorus*); Enterobacteriales: Enterobacteriaceae, fire blight	I	*Malus domesticum* (apel, apple), *Prunus dulcis* (almon, almond), *Prunus americana* (aprikot, apricot), *Prunus cerrasus* (ceri, cherry), *Pyrus communis* (pir, pear), *Prunus persica* (persik,	tunas, tanaman hasil mikropropa gasi(planlet), buah, bunga, daun,	Africa: Egypt, Algeria, Morocco America: Bermuda, Guatemala, Mexico, USA, Canada Asia: Armenia, Iran, Israel, Jordan, Libanon, Turkey, Azerbajian, China, India, Iran,

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		peach), *Amelanchier* spp., *Cydonia oblonga*, *Rubus*spp., *Sorbus*spp.	batang Bibit, kayu	Israel, Japan, Jordan, Korea, Lebanon, Saudi Arabia, Syria, Taiwan, Turkey, Vietnam, Asia Tenggara (South-east Asia) Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, Macedonia, Moldova, Netherlands, Norway, Poland, Romania, Spain, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia. Oceania: New Zealand
16.	*Erwinia rhapontici* (=*Pectobacterium rhapontici* (Millard 1924) Patel & Kulkarni 1951 =*Erwinia carotovora* var. *rhapontici* =*Aplanobacter rhapontici* = *Bacillus rhapontici* =*Bacterium rhapontici* =*Phytomonas rhapontici* = *Pseudobacterium rhapontici* = *Xanthomonas rhapontici*; Enterobacteriales; Enterobacteriaceae; rhubarb	I	*Rheum hybridum* (rhubarb), *Triticum* (wheat), *Triticum aestivum* (gandum, wheat) *Allium cepa* (bawang bombay, onion), *Allium sativum* (bawang putih, garlic), *Beta vulgaris var. saccharifera* (sugarbeet), *Cichorium* (chicory), *Cyclamen persicum* (cyclamens), *Dianthus* (carnation), Hippeastrum,	biji, umbi lapis, buah, bibit, batang, akar, planlet, media tanam, tuber, corms, rhizome	America: North America (Canada), Mexico, USA Asia: Iran, Israel, Jepan, Korea, Malaysia Europe: Belgium, Czech Republic and Slovakia, France, Italy (Sardinia), Lithuania, Netherlands, Norway, Poland, Ukraine, UK (England, Wales) Oceania: Australia

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crown rot; wheat pink seed; cereal pink grain		*Hyacinthus orientalis* (hyacinth), Solanum *lycopersicum* (tomat, tomato), Morus (mulberrytree), *Morus alba* (mora), *Pisum sativum* (kapri, sweet pea), Pyrus (pir, pears), *Armoracia rusticana* (horseradish), *Amaranthus hybridus* (smooth pigweed)			
17. *Erwinia tracheiphila* (Holland) Smith; (=*Bacillus tracheiphilus* Smith =*Bacillus tracheiphilus* f.sp. *cucumis* =*Bacterium tracheiphilum* =*Erwinia amylovora* var. *tracheiphila*); Enterobacteriales: Entero bacteriaceae; bacterial wilt	I	*Cucumis sativus* (mentimun, cucumber), *Cucumis melo* (melon, melon), labu, *Cucurbita maxima* (waluh, labu parang, pumpkin), *Citrullus vulgaris* (semangka, watermelon), Cucurbitaceae lainnya	bunga, daun, akar, batang, bibit, tanaman hasil	Africa: DR Congo, South Africa, America: Canada, Honduras, Peru, USA, New Mexico Asia: China, Iraq, Japan, Korea, Thailand, Iran, Taiwan Europe: Czech, Slovakia, Lithuania, Russia. Oceania: Australia.
			mikropropagasis	Vektor: *Coleoptera, Chrysomelidae: Acalymma vittata*	
18. *Herbaspirillum rubrisubalbicans*(=*Pseudomonas rubrisubalbicans*North. & Smith; (=*Bacterium rubrisubalbicans* =*Phytomonas*	I	*Saccharum officinarum* (tebu, sugarcane), *Zea mays* (jagung, corn, maize), *Sorghum halepense* (Johnson grass), *Sorghum bicolor* (sorgum,	daun, batang		Africa: Angola, Benin, Central Africa, Ivory Coast, Madagascar, Malawi, Mauritius, Nigeria, Réunion, South Africa, Tanzania, Burundi, Cote d'Ivore, Togo

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rubrisubalbicans=Xanthomonas rubrisubalbicans); Pseudomonadales: Pseudomonadaceae; mottled stripe, bacterialstripe		sorghum), *Oryza sativa* (padi, paddy)			America: Barbados, Brazil, Colombia, Guadeloupe, Jamaica, Martinique, Nicaragua, Peru, Puerto Rico, USA, Venezuela, Cuba, Panama Asia: Sri Lanka, China, Japan, Thailand Oceania: Australia, Fiji, New Zealand
19. *Pantoea agglomerans(=Bacterium herbicola =B.typhiflavum =Corynebacterium beticola =Enterobacter agglomerans =E.agglomeranspv. millettiae =Erwinia herbicola =E.herbicola* pv. *millettiae=E.lathyri =E.mangiferae =E.millettiae =E. vitivora =Flavobacterium herbicola =F.rhenanum =F.trifolii =Kurthia baccarinii =Pantoea agglomerans* pv. *millettiae =Phytomonas itoana =Pseudomonas herbicola =P.itoana =P.trifolii=Xanthomonas cosmosicola =X.indica =X.itoana =X.maydis =X.penniseti =X. rubrisorghi =X.tagetis=X.translucens* f.sp. *oryzae =X.trifolii);*	I	*Ananas comosus* (nenas, pineapple), *Medicago sativa* (alfalfa, lucerne), *Allium* spp. (bawang-bawangan), *Vitis vinifera* (anggur, grapevine), *Malus sylvestris* (apel, apple), *Pyrus communis* (pir, pear) *Abelmoschus moschatus* (okra, lady's finger), *Citrus* spp. (jeruk, orange), *Impatiens balsamina, Lathyrus odoratus, Solanum lycopersicum* (tomat, tomato), *Manihot esculenta* (ubi kayu, cassava), *Mangifera indica* (mangga, mango), *Oryza sativa* (padi, paddy), *Setaria italica, Vitis vinifera* (anggur, grapevine), *Zea mays* (jagung, corn, maize),	buah, polong, akar, batang, daun, bunga, buah		Africa: Egypt, Burkina Faso, Cameroon, Gabon, Madagaskar, Mali, Niger, Senegal, South Africa, Togo, Tunisia America: Barbados, Cuba, USA, Costarica, El Salvador, Honduras, Nicaragua, Panama, Mexico, Colombia, Bolivia, Equador, Venezuela Asia: Israel, Japan, Saudi Arabia., Bangladesh, Kambodia, China, India, Korea DPR (North Korea), Republic of Korea (South Korea), Laos, Malaysia, Myanmar, Nepal, Pakistan, Philipine, Sri Lanka, Thailand, Vietnam Europe: France, Germany, Poland, Spain, UK., Italy, Moldova, Poland

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Enterobacteriales: Enterobacteriaceae; bacterial grapevine blight, bacterial riceblight, pink disease of pineapple		*Allium sativum* (bawang putih, garlic), *Carthamus tinctorius*, *Daucus carota* (wortel, carrot), *Glycine max* (kedelai, soyabean), *Gossypium hirsutum* (kapas, cotton), *Hordeum vulgare*, *Morus*, *Nicotiana tabacum* (tembakau, tobacco), *Saccharum officinarum* (tebu, sugarcane), *Solanum tuberosum* (kentang, potato)			Oceania: New Zealand., Australia
20. *Pantoea ananatis* (Serrano, 1928), Mergaert, 1931 (= *Pectobacterium ananas* (Serrano) Patel & Kulkarni =*Pantoea ananatis* pv. *ananatis* (Serrano) Mergaert et al.= *Erwinia uredovora* Pon et al.=*Pantoea ananatis* pv. *uredovora* (Pon et al.) Mergaert etal. = *Bacillus ananas* Serrano =*Bacterium ananas* (Serrano) Burgvits =*Chromobacterium ananas* (Serrano) Krasil'nikov =*Erwinia herbicola* var. *ananas* (Serrano) Dye= *Pectobacterium ananas* (Serrano) Patel & Kulkarni =*Erwinia ananas* pv. *uredovora (*Pon et al.) Dye =	I	*Ananas comosus* (nenas, pineapple), *Saccharum officinarum* (tebu, sugarcane), *Cucumis melo* (melon, melon), *Allium cepa* (bawang bombay, Onion), *Eucalyptus grandis* (saligna gum), *Eucalyptus nitens* (shining gum) *Oryza sativa* (padi, paddy), *Zea mays* (jagung, corn), *Solanum lycopersicum* (tomat, tomato), sorghum bicolor (sorgum, sorghum)	tunas, buah, biji, batang, daun, tanaman hasil mikropropa gasi (planlet)	Africa: Nigeria, South Africa, Zimbabwe America: Brazil, Guatemala, Guyana, Haiti, Mexico, Puerto Rico, USA, Venezuela, New York, Argentina Asia: China, Taiwan, Malaysia, Philippines, India, Japan. Eropa: Polandia Oceania: Australia	

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	Erwinia rediniolytica Borders =*Xanthomonas uredovora* =*Pantoea ananas* pv. *ananas* (Serrano) Mergaert et al. =*Pantoea ananas* pv. *uredovora* (Pon et al.) comb. Nov; *Enterobacteriales*: *Enterobacteriaceae*				
21.	*Pectobacterium aroidearum*;*Enterobacteriales*: *Enterobacteriaceae*	I	*Zantedeschia aethiopica* (lilium, calla lily, arum lily)	umbi, daun, akar, batang, tanah	Africa: South Africa
22.	*Pectobacterium atrosepticum* (Van Hall) Jennison; (=*Erwinia caricae* =*Bacillus atrosepticus* = *Bacillus melanogenes* =*B.phytophthorus* =*Bacterium atrosepticum* =*B.carotovorum* =*B.carotovorum* pv *atrosepticum* =*B.melanogenum* =*B.phytophthorum* =*Erwinia carotovora* =*E.carotovora* pv. *atroseptica* =*E.dahliae* =*E.melonis* =*E.papayae* =*E.phytophthora* =*E.phytophthorus* =*Pectobacterium atrosepticum* =*P.carotovorum* =*P.carotovorum* pv *atrosepticum* =*P.carotovorum* pv *carotovorum* =*P.phytophthorum* =*Erwinia atroseptica* =*E.carotovora* var.	I	*Solanum tuberosum* (kentang, potato), *Euphorbia pulcherrima* (poinsettia) *Saccharum officinarum* (tebu, sugarcane), Brassicaceae, *Allium ascalonicum* (bawang merah, shallot), *Asparagus officinalis* (asparagus, asparagus), *Carica papaya* (pepaya, pawpaw), *Coffea* spp. (kopi, coffee), *Cucumis sativus* (mentimun, cucumber), *Daucus carota* (wortel, carrot), *Glycine max* (kedelai, soybean), *Helianthus annuus* (bunga matahari, sunflower), *Iris* spp., *Lycopersicum*	umbi, daun, akar, batang, tanah.	Europe: Austria, Bulgaria, Cyprus, Czech, Slovakia, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Spain, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia., Yugoslavia Asia: Azerbaijan, Bhutan, China, India, Iran, Israel, Japan, Kazakhstan, Libanon, Philippines, Turkey, Vietnam. Africa: Algeria, Egypt, Mauritius, Morocco, Mozambique, South Africa,

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atroseptica); Enterobacteriales: Enterobacteriaceae;blackleg		*esculentum* (tomat, tomato), *Musa* spp. (pisang, banana), *Nicotiana tabacum* (tembakau, tobacco), *Vigna* spp. (buncis, cowpea), *Zea mays* (jagung, corn, maize) Allium cepa (bawang bombay, onion), Consolida ambigua (rocket larkspur), Cyphomandra betacea (tree tomato), Datura stramonium (jimson weed), Phaseouls vulgaris (common bean), Saccarum officinarum (sugarcane), Saintpaulia (African violet), Solanaceae, Iris (Irises), Lupinus (Lupin), Nicotiana glauca (Tree tobacco), Nicotiana rustica (wild tobacco), Nicandra physalodes (apple of Peru)		Tanzania, Tunisia, Zimbabwe. America: Argentina, Belize, Bermuda, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, French West Indies, Guadeloupe, Honduras, Martinique, Mexico, Peru, St. Lucia, Grenadines, Suriname, Trinidad, Tobago, USA., Saint Vincent and the Grenadines, Venezuela Oceania: Australia, New Zealand.
23. *Pectobacterium betavasculorum* (= *Erwinia carotovora* subsp. *Betavasculorum*; = *Erwinia betavasculorum*); Enterobacteriace; sugarbeet rot	I	*Beta vulgaris* var. *Sacharifera* (Sugarbeet), *Solanum tuberosum* (kentang, Potato)	akar, batang, daun, bunga, buah	America: USA

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24.	*Pectobacterium cacticida*;*Enterobacteriales*: *Enterobacteriaceae*	I	*Opuntia* spp. (Kaktus, cactus, cacti)	umbi, daun, akar, batang, tanah	America: USA, Columbia, Guatemala
25.	*Pectobacterium wasabiae*;*Enterobacteriales*: *Enterobacteriaceae*	I	*Eutrema wasabi* (Wasabi), *Brassica oleracea* var. *capitata* (kubis, cabbage), Ipomoea batatas (ubi jalar, sweet potato), *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (terung, eggplant, aubergine), Solanum tuberosum (kentang, potato)	umbi, daun, akar, batang, tanah	Asia: Japan, Malaysia America: Canada
26.	*Pseudomonas savastanoi* pv. *phaseolicola* (Burkholder)Gardan *et al.*(= *Pseudomonas syringae* pv. *phaseolicola* =*Pseudomonas phaseolicola* = *Pseudomonas medicaginis* = *Pseudomonas medicaginis* var. *phaseolicola* =*Bacterium medicaginis* var. *phaseolicola* = *Phytomonas medicaginis* var. *phaseolicola* =*Phytomonas puerariae* = *Pseudomonas medicaginis* f.sp. *phaseolicola* = *Xanthomonas medicaginis* var. *phaseolicola* = *Pseudomonas vignae* = *Phytomonas vignae* =	I	*Phaseolus acutifolius* (tepary bean), *Phaseolus coccineus* (runner bean), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean) *Cajanus cajan* (pigeon pea), Centrosema, Desmodium (tick clovers), *Glycine max* (kedelai, soyabean), *Lablab purpureus* (hyacinth bean), *Pisum sativum* (kapri, sweet pea), *Pueraria* var. *lobata* (kudzu), *Vigna angularis* (adzuki bean), *Vigna radiata* (kacang hijau, mung bean), *Vigna*	Buah, polong, titik tumbuh, daun, biji, batang, bibit, bunga	Africa: Burundi, DR Congo, Egypt, Ethiopia, Kenya, Lesotho, Madagascar, Malawi, Mauritius (Rodriguez Island), Morocco, Mozambique, South Africa, Rwanda, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe. America: Central America & Caribbiean (Barbados, Costa Rica, Guadeloupe, Martinique, Saint Vincent and the Grenadines), North America (Canada), Mexico, USA, Hawaii, Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican

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Bacterium puerariae = *Xanthomonas phaseolicola* = *Pseudomonas cerasi* (=*cerasus*) = *Pseudomonas holci*) ; Pseudomonadales; Pseudomonadaceae; halo blight (of beans); grease spot (of beans)		*unguiculata* (kacang panjang, cowpea)			Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana, Suriname, Asia: Georgia, India, Israel, Japan, Pakistan, Saudi Arabia, Turki, Yaman Europe: Austria, Belgium, Bulgaria, Czech Republic and Slovakia, Denmark, Frence, Germany, Greece, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Hungary, Ireland, Italy, Jersey, Lithuaina, Netherlands, Poland, Romania, Russia (Russia (Europe), Spain, Sweeden, Switzerland, UK (Channel Islands) Oceania: Australia, Fiji, New Zealand
27. *Pseudomonas syringae*pv. *morsprunorum*(Wormald) Young et al. (=*Pseudomonas mors-prunorum* = *Agrobacterium mors-prunorum* = *Bacterium mors-prunorum* = *Phytomonas mors-prunorum*; Pseudomonadales; Pseudomonadaceae; bacterial canker of stone fruits;spot of stone fruits; shoot wilt of stone	1	*Prunus avium* (sweet cherry), *Prunus domestica* (plum), *Prunus salicina* (Japanese plum) *Prunus cerasus* (sour cherry)	buah, bunga, daun, batang, kayu, dan kulit kayu		Africa: South Africa America: North America (Canada), USA Asia: India, Japan, Libanon Eroupe: Czech Republic, Czech Republic and Slovakia, Denmark, Finland, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan,

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	fruits; gummosis; blossom blast				Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, French, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Romania, Sweden, Serbia and Montenegro, Ukraine, UK, Switzerland
					Oceania: Australia
28.	*Pseudomonas syringae* pv. *passiflorae* (= *Pseudomonas passiflora* (Reid) Young et al.); *Phytobacterium passiflorae* (Reid) Magrou & Prévot; *Phytomonas passiflorae* Reid; *Pseudomonas passiflorae* (Reid) Burkholder);	I	*Passiflora* (passionflower), *Passiflora edulis* (markisa, passionfruit)	daun, buah, batang	Africa: South Africa America: Dominica Oceania: Australia dan New Zeland
	grease spot of passion fruit; necrotic spots				
29.	*Pseudomonas syringae*pv.*coriandricola*Yoben & Rudolph; Pseudomonadales: Pseudomonadaceae;blight, bacterial blight	I	*Coriandrum sativum* (ketumbar, coriander), *Petroselinum crispum* (Parsley)	biji, bibit,, batang, daun.	America: Ohio Asia: India Europe: Germany, Spain Oceania: Australia
30.	*Pseudomonas syringae* pv. *garcae* Teix. & Pinh.; (=*P. garcae*); Pseudomonadales: Pseudomonadaceae;bacterialspot, bacterial blight of coffee	I	*Coffea* spp. (kopi, coffee). *Solanum lycopersicum* (tomat, tomato), *Solanum tuberosum* (kentang, potato), *Vigna* spp. (kacang panjang, cowpea), *Phaseolus vulgaris* (buncis, common bean), *Citrus*	Tanaman hasil mikropropagasi (*planlet*), bibit	Africa: Kenya America: Brazil

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		sp.(jeruk, orange)			
31.	*Pseudomonas syringae* pv. *maculicola*(McCulloch) Young *et al.*; (=*Bacterium maccullochianum* = *B.maculicola* =*B.maculicola* var. *japonicum* =*Phytomonas maculicola* =*Pseudomonas maculicola*; Pseudomonadales: Pseudomonadaceae; pepper spot, spot	I	*Brassica oleracea capitata* (kubis, cabbage), *Brassica rapa gongylodes* (kohlrabi), *Brassica rapa* sub sp. *rapa* (turnip, turnip), *Brassica juncea* var. *juncea*, *Brassica nigra*, *Brassica oleracea* var. *viridis*, *Brassica oleracea* var. *gemmifera*, *Brassica rapa* sub sp. *pekinensis*, *Raphanus sativus* (lobak,radish), *Brassica oleracea var.botrytis* (bunga kol, cauliflower), *Brassica oleracea var. italica* (broccoli)	batang, daun, akar, batang, daun, bunga, buah	Africa: Algeria, Algeria, Mauritius, Mozambique, South Africa, Zimbabwe America: Argentina, Bermuda, Brazil, Karibia, Cuba, El Salvador, North America, Puerto Rico, Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana, USA, Canada Asia: China, Georgia (Republic), Japan, Korea DPR (North Korea), Republic of Korea (South Korea), Turkey, Taiwan Europe: Bulgaria, Czech, Slovakia, Denmark, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Germany, Italy, Netherlands, Norway, Russia, Rusia, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Yugoslavia Oceania: Australia, Palau, Micronesia, Fiji, New Zealand, Papua New Guinea

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32. *Pseudomonas syringae*pv.*pisi* (=*Bacterium pisi= Chlorobacter pisi =Phytomonas pisi =Pseudomonas pisi*); Pseudomonadales: Pseudomonadaceae; bacterial pea blight	I	*Pisum sativum* (kapri, sweet pea), *Lathyrus*, *Pisum sativum* var. *arvense* *Vicia benghalensis, Lablab purpureus, Lathyrus latifolius, Lathyrus odoratus, Vicia* spp., *Cynodon dactylon, Galium aparine, Reseda lutea, Digitaria sanguinalis, Lepidium campestre, Vicia* (vetch)	planlet, buah, bunga, daun, tanaman, batang, biji.	Africa: Kenya, Malawi, Morocco, South Africa, Tanzania, Zimbabwe America: Argentina, Bermuda, Brazil, Canada, Colombia, Costa Rica, Ecuador, Mexico, USA, Uruguay Asia: Armenia, Georgia, India, Israel, Japan, Kazakhstan, Kyrgyzstan, Libanon, Nepal, Pakistan, Syria Europe: Bulgaria, Croatia, Czech, Denmark, France, Germany, Greece, Hungary, Italy, Caldarera, Sicily, Lithuania, Moldova, Netherlands, Portugal, Romania, Russia, Southern Rusia, Slovakia, Switzerland, Ukraine, UK (England, Wales), Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Yugoslavia, Spain Oceania: Australia, New Caledonia, New Zealand
33. *Pseudomonas syringae*(van Hall) Young *et al.*; (=*Bacillus cerasi =B.gummis =B.matthiolae =B.spongiosus =Bacterium cerasi =B.cerasi* var. *prunicola =B.citrarefaciens*	I	*Cucurbita maxima* (waluh, labu parang, pumpkin), *Cyphomandra betacea* (tree tomato), *Lactuca sativa* (lettuce), *Prunus avium* (Sweet Cherry), *Pyrus (pir,*	biji, akar, batang, daun, bunga, buah, media	Africa: Algeria, Egypt, Ethiopia, Kenya, Lesotho, Malawi, Morocco, South Africa, Tanzania, Tunisia, Uganda, Zimbabwe, America: Argentina,

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=*B.citriputeale* =*B.gummis* =*B.hibisci* =*B.holci* = *B.nectalaphilum* =*B.prunicola* =*B.rimaefaciens* =*B.spongiosum* =*B.syringae* =*B.trifoliorum* =*B.utiformica* =*B.vignae* =*B.vignae* var. *leguminophilum* =*B.viridifaciens* =*Chlorobacter syringae* =*Phytomonas cerasi* =*P.cerasi* var. *prunicola* =*P.citrarefaciens* =*P.citriputealis* =*P.hibisci* =*P.holci* =*P.matthiolae* =*P.nectalaphila* =*P.prunicola* =*P.rimaefaciens* =*P.spongiosa* =*P.syringae*=*P.trifoliorum* =*P.utiformica* =*P.vignae* =*P.vignae* var. *leguminophila* =*P.viridifaciens* =*Pseudomonas cerasi*=*Pseudomonas cerasi* f.sp. *pyri* =*P.cerasi* var. *prunicola* =*P.cerasi* var. *pyri* =*P.citrarefaciens* =*P. citriputealis* =*P.hibisci* =*P.oryzicola* =*P.prunicola*=*P.spongiosa* =*P.syringae* =*P.syringae* f.sp. *prunicola* (Wormald) =*P.trifoliorum* =*P.utiformica* =*P.vignae* =*P.vignae* var. *leguminophila* =*P.viridifaciens* =*P.syringae* pv. *japonica*),Pseudomonadales:		pear), *Passiflora edulis* (passionfruit) *Malus domesticum* (apel, apple), *Prunus* spp., *Vigna* spp. (kacang panjang, cowpea), *Syringa vulgaris*, *Sorghum bicolor* (sorgum, sorghum), *Aconitum* spp., *Abelmoschus moschatus* (okra, lady's finger), *Vernicia fordii*, *Allium* spp., *Alnus glutinosa*, *Arbutus spp.*, *Aralia* spp., *Actinidia deliciosa* (kiwi, kiwi fruit), *Atriplex hortensis*, *Beta vulgaris* var *sacchartjera* (bit gula, sugar beet), *Betula pendula*, *Brassica rapa* subsp. *pekinensis* (petsai), *Carthamus tinctorius*, *Centaurea maculosa*, *Erysimum cheiri*, *Chrysanthemum indicum*, *Citrus* spp.(jeruk, orange), *Cinnamomum camphora*, *Calystegia sepium*, *Cyamopsis tetragonoloba*, *Coffea* spp. (kopi, coffee), *Capsicum annuum* (paprika, bell-pepper), *Cucumis sativus* (mentimun, cucumber),	tanam	Barbados, Brazil, Chile, El Salvador, Guatemala, Honduras, Mexico, Panama, Puerto Rico, USA, Uruguay Asia: Azerbaijan, China, Georgia, India, Iran, Israel, Japan, Kazakhstan, Korea, Kyrgyzstan, Libanon, Sri Lanka, Thailand, Turkey, Uzbekistan, Europe: Belarus, Belgium, Bulgaria, Cyprus, Czech, Slovakia, Denmark, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Moldova, Netherlands, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand

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Pseudomonadaceae; bacterial canker or blast (stone and pome fruits), bacterial brown spot (beans), apoplexy of apricots, bacterial black spot, bacterial eye spot, bacterialspot, bacterial sheath rot, blast of *Citrus*, blister spot of apple, peach-tree short-life, pear blossom blight		*Cucurbita*, *Cydonia oblonga*, *Cyphomandra betacea*, *Dahlia pinnata*, *Daphne odora*, *Desmodium* spp., *Diospyros kaki* (kesemek, persimmon), *Echinochloa crusgalli*, *Fortunella* spp., *Forsythia intermedia*, *Fragaria vesca*, *Glycine max* (kedelai, soybean), *Hibiscus* spp., *Hordeum vulgare* (barli, barley), *Impatiens balsamina*, *Juglans regia*, *Lactuca* sativa, *Lablab purpureus*, *Ligustrum ovalifolium*, *Solanum lycopersicum* (tomat, tomato), *Magnolia* spp., *Medicago sativa*, *Mangifera indica* (mangga, mango), *Matthiola incana*, *Musa paradisiaca* (pisang kepok, plantain), *Mucuna deeringiana*, *Nerium oleander*, *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, paddy), *Panicum* spp., *Passiflora quadrangularis* (markisa, passion- fruit, granadilla),		

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		Persea americana (alpokat, avocado), *Pennisetum* spp., *Philadelphus*, *Vigna angularis*, *Phaseolus* spp., *Pisum sativum* (kapri, sweet pea), *Piper nigrum* (lada, blackpepper), *Pinus radiata*, *Populus* spp., *Quercus* spp., *Rhododendron*, *Rosa* spp. (mawar, rose), *Rubus ursinus*, *Salix* spp., *Sorghum bicolor* (sorgum, sorghum), *Sorghum* spp., *Trifolium* spp., *Trigonella foenum-graecum*, *Triticum aestivum* (gandum, wheat), *Vaccinium* sp., *Vicia faba*, *Vicia villosa*, *Vigna cylindrica*, *Vitis vinifera* (anggur, grapevine), *Zea mays* (jagung, corn, maize). *Chenopodium quinoa* (quinoa), *Panax ginseng* (Asiatic ginseng)			
34.	*Pseudomonas syringae*pv.*theae* (Hori) Young *et al.* ; (=*Bacillus theae* =*Erwinia theae* =*Innominatus theae* =*Pseudomonas* =*Pseudomonas theae*);Pseudomonadales: Pseudomonadaceae; shoot	I	*Camellia sinensis* (teh, tea)	daun, batang yang muda akar, batang, daun, bunga, buah	Asia: Japan

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	blight, bacterial stem blight, bacterial tea blight, red blight, tea bacterialspot				
35.	*Pseudomonas viridiflava* (Burkholder); (= *Bacterium viridiflavum* = *Chlorobacter viridiflavus* = *Phytomonas viridiflava)*;Pseudomonadales; Pseudomonadaceae;bacterialblight of tomato; Hydrangea bud blight; bacterialnecrosis of basil; bacterial rot of lettuce; bacterial rot of Chinese cabbage; bacterial soft rot of tomato; bacterial blossom blight of kiwi	I	*Actinidia deliciosa* (kiwi, kiwifruit), *Allium cepa* (bawang bombay, onion), *Anethum graveolens* (dill), *Apium graveolens* (seledri, celery), *Apium graveolens* var. *dulce* (celery), *Brassica* spp., *Capsicum annuum* (paprika, bell pepper), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima* (waluh, labu parang, pumpkin), *Hydrangea* (hydrangeas), *Solanum lycopersicon* (tomat, tomato) *Actinidia chinensis* (Chinese gooseberry), *Allium fistulosum* (Welsh onion), *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Calendulaofficinalis* (Pot marigold), *Capsicum*	biji, akar, batang, daun, bunga, buah, media tanam, bibit, tanaman hasil mikropropagasi	Africa: Egypt, Kenya, Morocco, Tanzania, Uganda, Algeria America: USA, Argentina, Brazil, Venezuela, Uruguay Asia: China, Iran, Japan, Jordan, South Korea, Nepal, Turkey, Saudi Arabia Europe: Belgium, Bulgaria, Czech, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Italy, Macedonia, Netherlands, Poland, Portugal, Serbia-Montenegro, Slovakia, Spain, Switzerland, UK, Yugoslavia, Russia Oceania: Australia, New Zealand.	

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		frutescens (cabai rawit, chilli), *Carthamus tinctorius* (safflower), *Chrysanthemum indicum* (krisan, chrysanthemum), *Cichorium endivia* (endives), *Citrus aurantium* (sour orange), *Citrus macrophylla* (alemow), *Citrus sinensis* (navel orange), *Cyclamen persicum* (cyclamens), *Eschscholzia californica* (california poppy), *Euphorbia pulcherrima* (poinsettia), *Eutrema wasabi* (Wasabi), *Forsythia suspensa*, *Glycine max* (kedelai, soyabean), *Lablab purpureus* (hyacinth bean), *Lotus corniculatus* (bird's-foot trefoil), *Lupinus angustifolius* (lupin), *Medicago sativa* (lucerne), *Nicotiana rustica* (wild tobacco), *Papaver* (poppies), *Papaver nudicaule* (Iceland poppy), *Passiflora edulis* (passionfruit), *Pastinaca sativa* (parsnip), *Petroselinum crispum* (parsley), *Petunia hybrida*, *Phaseolus coccineus*			

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		(runner bean), *Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), *Pisum sativum* (kapri, sweet pea), *Prunus* armeniaca (aprikot, apricot), *Prunus avium* (sweet cherry), *Pseudopanax*, *Pyruscommunis* (European pear), *Rosa* (mawar, roses), *Sorghum bicolor* (sorgum, sorghum), *Sorghum sudanense* (Sudan grass), *Tanacetum coccineum* (common pyrethrum), *Trifolium pratense* (purple clover), *Tropaeolum majus* (common nasturtium), *Vaccinium corymbosum* (blueberry), *Vicia faba* (broad bean), *Vigna angularis* (adzuki bean), *Vigna unguiculata* (kacang panjang, cowpea), *Viola* (violet), *Vitis vinifera* (anggur, grapevine), *Zea mays* (jagung, maize,corn), *Zinnia elegans* (zinnia)		

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36.	*Rathayibacter tritici*(Hutchinson) Zgurskaya *et al.*; (=*Clavibacter tritici* =*Corynebacterium michiganense* pv. *tritici* =*C. tritici* =*Agrobacterium tritici* =*Bacterium tritici* =*Phytomonas tritici* =*P. tritici* =*Pseudomonas tritici*); Actynomycetales: Microbacteriaceae; spike blight, tundu disease, yellow ear rot, yellow slime disease, yellow spike	I	*Triticum aestivum* (gandum, wheat), *Triticum dicoccum*, *Triticum turgidum* (durum wheat) Alopecurus (foxtails), *Hordeum vulgare* (barley), *Lolium temulentum* (darnel)	biji, akar, batang, daun, bunga, buah, tanah, media tanam Vektor: Tylenchida, Anguinidae: *Anguina tritici*	Africa: Egypt:, Ethiopia, Zambia, Marocco. Asia: Afghanistan, China, India, Iran, Iraq, Pakistan Europe: Cyprus Oceania: Australia
37.	*Rhizobium vitis*(Ophel & Kerr) Young *et al.* ; (=*Agrobacterium biovar 3* =*A. tumefaciens biovar 3* = *A. vitis*); Rhizobiales: Rhizobiaceae; crown gall	I	*Vitis vinifera* (anggur, grapevine)	daun, planlet, akar, batang, biji, tanah, media tanam.	Africa: Tunisia America: Brazil, Canada, USA Asia: Afghanistan, China, Japan, Jordan, Korea Europe: France, Greece, Hungary, Spain Oceania: Australia
38.	*Rhodococcus fascians* (Zopt.) Tsunukura; (=*Bacterium fascians* =*Phytomonas fascians* =*Pseudobacterium fascians* =*Rhodococcus rubropertinctus* =*Corynebacterium fascians*;Actinomycetales: Nocardiaceae; witches' broom syndrome, ornamental cauliflower disease, strawberry	I	*Asparagus densiflorus*, *Begonia tuberhybrida*, *Erysimum cheiri*, *Chrysanthemum* spp., *Cucumis melo* (melon), *Dahlia pinnata*, *Dianthus caryophyllus*, *Fragaria vesca* (arbei, wild strawberry), *Fragaria ananassa* (strawberry),	daun, planlet, akar, batang, biji, tanah, umbi lapis, umbi (tuber), corms, rhizomes,	Africa: Egypt: America: Canada, Colombia, Mexico, USA, Guatemala Asia: India, Iran, Israel Europe: Belgium, Czech, Denmark, Estonia, France, Germany, Hungary, Italy, Latvia, Netherlands, Norway, Russia, Slovakia, Sweden, Ukraine, UK, Poland

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cauliflower disease, strawberry fasciation, tobacco leafy gall, leafy gall, fasciation		*Freesia* spp., *Gloriosa* spp., *Lilium* spp., *Lathyrus odoratus*, *Pelargonium zonale*, *Triteleia* spp., *Brassica oleracea* var *botrytis* (bunga kol, cauliflower), *Brodiaea*, *Euphorbia*, *Fragaria*, *Hebe*, *Kalanchoe*, *Pisum sativum* (kapri, sweet pea), *Erysimum cheiri* (wallflower), *Chamaemelum nobile*, *Antirrhinum majus*, *Beta vulgaris* (bit, beet root), *Beloperone*, *Brassica* spp., *Buddleia davidii*, *Cichorium intybus*, *Cicer arietinum*, *Consolida ambigua*, *Capsicum annuum* (paprika, bell-pepper), *Crysanthemum vestitum*, *Casuarina equisetifolia*, *Dactura inosia*, *Dianthus barbatus*, *Euphorbia pulcherrima*, *Erysimum allionii*, *Forsythia suspensa*, *Gladiolus hybrids*, *Glycine max* (kedelai, soyabean), *Gypsophila paniculata*, *Hebe andersonii hybrids*, *Hyasinthus*, *Impatiens*	bibit	Oceania: Australia, New Zealand
			Vektor: Hemiptera, Aphididae: *Myzus persicae*, *M. ascalonicus*	

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		walleriana, Kalanchoe blossfeldiana, Lycopersicon esculentum (tomat, tomato), Pelargonium, *Rhododendron* (Azela), *Mesembryanthemum, Muscari botryoides, Nicotiana, Petunia hybrida, Phaseolus* spp., *Physalis* spp., *Pisum sativum* (kapri, sweet pea), *Phlox* spp., *azalea, Spinacia oleracea, Tagetes* spp., *Tropaeolum majus, Trifeleia laxa*, Tulip, *Viburnum opulus, Vicia faba, Sorbaria sorbifolia*			
39.	*Spiroplasma citri* (Saglio et. al).; Entomoplasmatales: Spiroplasmataceae; stubborn disease	I	*Citrus* spp. (jeruk, orange), *Pisum sativum* (kapri, sweet pea), *Trifolium pratense, Trifolium repens, Vicia faba, Vinca rosea Amoracia rusticana (horseradish), Citrus aurantium (sour orange), Citrus limon (lemon), Citrus reticulata (mandarin), Citrus reticulata x paradisi (tangelo), Citrus sinensis (navel orange), Citrus paradisi (grapefruit)* Amaranthaceae, Brassicaceae (cruciferous	bibit	Vektor: Hemiptera, Cicadellidae : *Circulifer tenellus, Scaphytopius nitrides, S. acutus delongi, Neoalitturus haematoceps.*	Europe: Cyprus, France, Greece, Italy, Spain. Asia: Iran, Iraq, Israel, Jordan, Lebanon, Oman, Pakistan, Saudi Arabia, Syria, Turkey, United Arab Emirates, Yemen. Africa: Algeria, Egypt, Libya, Madagascar, Morocco, Somalia, Sudan, Tunisia. America: Argentina, Brazil, Mexico, Peru, Suriname, USA, Venezuela. Oceania: New Zealand.

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		crops), *Capsella bursa-pastoris* (shepherd's purse), Chenopodiaceae, *Citroncirus webberi* (citrange), *Citrus jambhiri* (rough lemon), *Citrustimettioides* (palestine sweet lime), *Citrus limonia* (mandarin lime), *Citrus madurensis* (calamondin), *Citrus maxima* (pummelo), *Citrus unshiu* (satsuma), *Digitalis purpurea* (foxglove), Fortunella (kumquats), Plantaginaceae, *Plantago ovata* (spogel plantain), *Raphanus raphanistrum* (wild radish), *Sorghum halepense* (Johnson grass)			
40.	*Spiroplasma kunkelii* (Whitcomb) Chen *et al*.; Entomoplasmatales: spiroplasmataceae; corn stunt disease, corn stunt spiroplasma, maize stunt spiroplasma, Rio Grande corn stunt	I	*Zea mays* (jagung, corn, maize), *Zea mays* subsp. *mays* (jagung manis, sweetcorn). *Zea mexicana* (teosinte), *Zea perennis*	daun, batang, akar	America: Bolivia, Brazil, El Salvador, Jamaica, Mexico, Peru, USA, Venezuela, Belize, Guatemala, Honduras, Nicaragua, Panama, Argentina
				Vektor: Hemiptera, Cicadellidae : *Dalbulus maydis*, *D. eliminatus*, *Exitianus exitiosus*,	

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				Graminella nigrifons, *Stirellus bicolor*		
41.	*Streptomyces ipomoeae*(Person & Martin) Waksman & Henrici; (=*Actinomyces ipomoeae)*; Actinomycetales: Streptomycetaceae; Streptomycetes soil rot (pox), soil rot, ground rot, sweet potato soft rot, sweet potato pox soil rot, sweet potato pox	I		*Ipomoea batatas* (ubi jalar, sweet potato) *Ipomoea* spp.	umbi (tuber/ corm/ rhizome), planlet, akar, tanah, media tanam, bibit	America: USA Asia: Japan, Vietnam
42.	*Tatumella citrea* (= *Pantoea citrea* = *Erwinia citreus* Sonoyama et al., 1988 pink fruit, pink disease of pineapple.	I		*Ananas comosus* (nanas, pineapple) *Citrus reticulata* (jeruk mandarin, mandarin orange)	buah, polong	Africa:Tanzania America: Mexico, USA Asia: Japan, Philippines, Taiwan Europe: Albania, Czech Republic Oceania: Australia
43.	*Xanthomonas arboricola* pv. *pruni*(Smith) Vauterin, Hoste, Kersters & Swings (=*Xanthomonas pruni* = *Bacillus pruni* = *Bacterium cerasi wraggi* = *Bacterium pruni* = *Phytomonas cerasi wraggi* = *Phytomonas pruni* = *Pseudomonas cerasi wraggi* = *Pseudomonas pruni* = *Xanthomonas campestris* pv. *pruni*; Xanthomonadales;	I		*Prunus armeniaca* (aprikot, apricot), *Prunus domestica* (plum), *Prunus dulcis* (almond), *Prunus persica* (peach), *Prunus salicina* (Japanese plum) *Prunus avium* (sweet cherry), *Prunus cerasus* (sour cherry), *Prunus japonica* (Japanese bush cherry tree), *Prunus mume* (Japanese apricot tree),	buah, daun, batang	Africa: South Africa, Zimbabwe America: Central America & Caribbean (Bermuda), North America, Canada, Mexico, USA, Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Uruguay, French Guiana Asia: China, Taiwan, India, Iran, Japan, Korea DPR

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Xanthomonadaceae; bacterial canker of stone fruit; bacterial shot-hole of stone fruit; bacterial spot of stone fruit; bacterialspot of stone fruit; black spot of stone fruit		Prunus (stone fruit), *Prunus laurocerasus* (cherry laurel)			(North Korea), Republic of Korea (South Korea), Lebanon, Pakistan, Saudi Arabia, Tajikistan Europe: Bulgaria, France (France [mainland]), Italy, Moldova, Romania, Russia (Russian Far East, Southern Russia), Slovenia, Ukraine, Austria, Belgium, Cyprus, Netherland, Romania, Slovakia, Spain, Switzerland Oceania: Australia, New Zealand
44. *Xanthomonas axonopodis* pv. *alfalfae* Common name: bacterial alfalfa spot	I	*Glycine max* (kedelai, soyabean), *Lablab purpureus* (hyacinth bean), *Medicago sativa* (lucerne), *Medicago scutellata* (snail medic), *Phaseolus vulgaris* (common bean), *Pisum sativum* (kapri, sweetpea), *Trifolium incarnatum* (Crimson clover), *Trifolium pratense* (purple clover), *Vicia benghalensis* (purple vetch), *Vicia sativa* (common vetch), *Vigna mungo* (black gram)	daun, batang, tanaman hasil mikropropagasi		Africa: Sudan America: Elsalvador, Nicaragua, USA Asia: Georgia (Republic), India dan Syria Europe: Rumania Oceania: Australia
45. *Xanthomonas axonopodis* pv. *allii* Roumagnac et al.(=*Xanthomonas campestris*	I	*Allium* (onions, garlic, leek, etc.), *Allium cepa* (bawang bombay, onion), *Allium*	akar, batang, daun,		Africa: Mauritius, Réunion, South Africa America: Central America &

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	pv. *alii*),Xanthomonadales: Xanthomonadaceae; blight		*cepa var. aggregatum* (bawang merah, shallot), *Allium fistulosum* (Welsh onion), *Allium porrum* (leek), *Allium sativum* (bawang putih, garlic), *Allium schoenoprasum* (chives)	bunga, buah, media tanam	Caribbean (Barbados, Cuba, Saint Kitts and Nevis), USA, Brazil, Venezuela Asia: Japan Europa: Netherland
46.	*Xanthomonas axonopodis*pv.*dieffenbachiae* (McCulloch & Pirone Vauterin)*et al.* ; (=*Phytomonas dieffenbachiae* =*Bacterium dieffenbachiae* =*Xanthomonas dieffenbachiae* =*X.campestris* pv. *dieffenbachiae* =*X.campestris* pv. *syngonii*)Xanthomonadales: Xanthomonadaceae; anthurium blight, bacterial blight of aroids	I	*Anthurium andreanum*, *Philodendron hederaceum*, *Philodendron hederaceum* var. *oxycardium* *Aglaonema commutatum*, *Anthurium* spp., *Caladium bicolor* hybrids, *Dieffenbachia maculata*, *Epipremnum pinnatum*, Araceae, *Philodendron selloum*, *Syngonium podophyllum*, *Xanthosoma caracu*, *X. sagittifolium*	umbi, rhizome, daun, batang, media tanam	Africa: Réunion, South Africa America: Barbados, Bermuda, Brazil, Canada, Costa Rica, Dominica, Guadeloupe, Jamaica, Martinique, Puerto Rico, St. Vincent and the Grenadines, Trinidad and Tobago, USA, Venezuela, Asia: China, Philippines, Taiwan, Turkey Europe: Italy, Netherland, Germany, Poland, Romania, UK Oceania: Australia, France Polynesia, New Caledonia
47.	*Xanthomonas axonopodis*pv.*poinsettiicola*(Patel, Bhatt & Kulkarni) Vauterin*et al.* ; (=*Xanthomonas campestris* pv. *poinsettiicola* =*X.poinsettiicola* =*X.poinsettiicola* =*X.pulcherrimae* =*X.ricini* f.sp. *poinsettiicola* =*X.rinici* f.sp. poinsetticola);	I	*Codiaeum variegatum*, *Manihot esculenta* (ubi kayu, cassava), *Euphorbia heterophylla* (wild poinsettia), *Euphorbia milii* (Crown-of-thorns), *Euphorbia pulcherrima* (poinsettia),	tunas, batang, daun	America: USA, Venezulea Asia: Cocos Islands, Philippines, India, China, Taiwan Europe: Germany, Italy Oceania: Australia, New Zealand

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	Xanthomonadales: Xanthomonadaceae				
48.	*Xanthomonas axonopodis*pv.*vasculorum*(Cobb) Vauterin et al.; (=*Xanthomonas campestris* pv. *vasculorum* =*Bacillus vasculorum* =*Bacterium vasculorum* =*Phytomonas vascular* =*P.vasculorum* =*Pseudomonas vasculorum* =*Xanthomonas vasculorum)* ; Xanthomonadales: Xanthomonadaceae; sugarcane gumming disease, Gummosis	I	*Saccharum officinarum* (tebu, sugarcane), *Saccharum* sp. *Zea mays* (jagung, corn, maize), *Roystonea regia, Dictyosperma album, Areca catechu (pinang, betelnut palm),* bambu, *Cocos nucifera* (kelapa, coconut), *Coix lacryma-jobi, Panicum* spp., *Pennisetum purpureum, Sorghum bicolor* (sorgum, sorghum), *Sorghum halepense* (Johnson grass), *Sorghum sudanense* (Sudan grass), *Thysanolaena latifolia* (Asian broom grass), *Bambusa vulgaris* (common bamboo), *Megathyrsus maximus* (Guinea grass), *Sorghum* sp.(sorgum, sorghum)	daun, biji, planlet, batang, umbi (tuber/ corm/ rhizome), akar, bibit, kayu	Africa: Ghana, Madagascar, Malawi, Mauritius, Mozambique, Réunion, South Africa, Swaziland, Zimbabwe America: Antigua and Barbuda, Argentina, Barbados, Belize, Brazil, Colombia, Cuba, Dominica, Dominican, Guyana France, Guadeloupe, Jamaica, Martinique, Mexico, Panama, Puerto Rico, St. Kitts & Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago Europe: Portugal Oceania: Australia, Fiji, Papua New Guinea
49.	*Xanthomonas axonopodis*pv.*vitians*(Brown) Vauterin *et al.* ; (=*Bacterium lactuca =B.vitians* = *Phytomonas lactucae =P.lactucae-scariolae =P.vitians*	I	*Lactuca sativa* (lettuce), Syngonium, *Syngonium podophyllum* (Arrowhead vine), beberapa species gulma yang termasuk kedalam family Asteraceae,	daun, batang, biji	Africa: South Africa, Zimbabwe America: Brazil, France West Indies, USA, Hawaii, Venezuela Asia: Japan, Republic of

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	=Pseudomonas lactucae *=P. lactucae-scariolae =P. vitians =Xanthomonas campestris* pv. *vitians =X. lactucae =X. lactucae-scariolae* =*X. vitians);*Xanthomonadales: Xanthomonadaceae; leafspot, lettuce bacterial spot		Chenopodiaceae, Malvaceae, Polygonaceae and Portulacaceae		Korea (South Korea) Europe: Germany, Italy, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia Oceania: Australia
50.	*Xanthomonas campestris*pv. *armoraciae* (McCulloch) Dye; (=*Bacterium campestre* var. *armoraciae = Phytomonas campestris* var. *armoraciae = Pseudomonas campestris* var. *armoraciae = Xanthomonas armoraciae);* Xanthomonadales: Xanthomonadaceae; Xanthomonasspot	I	*Armoracia rusticana* (horseradish), *Brassica oleracea* var. *botrytis* (bunga kol, cauliflower), *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Brassica oleracea* var. *italica* (broccoli), Iberis (candytuft)	daun, batang, biji	Africa: Zimbabwe America: USA, Brazil, Oklahoma Asia: China, India, Japan, Turkey Europe: Ukraine Oceania: Australia
51.	*Xanthomonas cassavae* (ex Wiehe & Dows.) Vauterin *et al.*; (=*Xanthomonas campestris* pv. *cassavae =X.ricini* f.sp. *cassavae);* Xanthomonadales: Xanthomonadaceae; cassavaspot, cassava bacterial necrosis	I	*Manihot esculenta* (ubi kayu, cassava)	daun, batang	Africa: Burundi, DR Congo, Kenya, Malawi, Rwanda, Tanzania, Uganda America: Colombia
52.	*Xanthomonas hortorum*pv. *pelargonii* (Brown) Vauterin *et al.* ; (=*Bacterium geranii* =*B.pelargonii =Phytomonas geranii =P.pelargonii*	I	*Geranium sanguineum* (bloody cranesbill), *Pelargonium* (pelargoniums), *Pelargonium graveolens*	tunas, batang, daun, bunga	Africa: Egypt, Morocco, South Africa America: Argentina, Brazil, Canada, USA Asia: India, Iran, Japan

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=*Pseudomonas geranii* =*P.pelargonii* =*Xanthomonas campestris* pv. *pelargonii* =*X.geranii* =*X.pelargonii*);Xanthomonadales: Xanthomonadaceae; bacterialspot		(Rose geranium)	Vektor: Hemiptera: Cicadellidae, Cercopidae	Europe: Austria, Belgium, Denmark, France, Germany, Greece, Hungary, Italy, Netherlands, Portugal, Romania, Russia, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Sweden, Switzerland, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia
53. *Xanthomonas vasicola* pv.*holcicola* (Elliot); (=*Xanthomonas holcicola* =*Bacterium holcicola* =*Phytomonas holcicola* =*Pseudomonas holcicola* = *Xanthomonas campestris pv. holcicola*); Xanthomonadales: Xanthomonadaceae; streaky spot of sorghum and Sudan grass; melanosis of Panicum millet; bacterial streak of millet	I	*Panicum miliaceum* (millet), *Setaria italica* (foxtail millet), *Sorghum bicolor* (sorghum), *Sorghum halepense* (Johnson grass), *Sorghum sudanense* (Sudan grass) *Sorghum almum* (Columbusgrass), *Zea mays* (jagung, maize, corn)	batang, daun, biji	Africa: Ivory Coast, Gambia, Madagascar, Niger, South Africa, Togo. America: Mexico, USA, Argentina, Venezuela. Asia: Bangladesh, India, Iran, Israel, Kazakhstan, Pakistan, Philippines, Thailand. Europe: France, Romania, Russia, Ukraine. Oceania: Australia, New Zealand, Solomon Islands.

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54. *Xylella fastidiosa*Wells*et al.*; Xanthomonadales: Xanthomonadaceae; Pierce's disease of grapevines, alfalfa dwarf, almondscorch, citrus variegated chlorosis, dwarf lucerne, scorch, phony disease of peach, plumscald	I	*Acer saccharum*, *Liquidambar styraciflua*, *Medicago sativa*, *Morus alba*, *Platanus occidentalis*, *Pyrus communis* (pir, pear), *Ulmus* (elms), Acer (maples), *Carya illinoinensis* (pecan), *Citrus latifolia* (tahiti lime), *Citrus reticulata* (mandarin), *Citrus reticulata x paradisi* (tangelo), *Citrus sinensis* (navel orange), *Liquidambar styraciflua* (Sweet gum), *Medicago sativa* (lucerne), *Nerium oleander* (oleander), *Prunus angustifolia* (Mountain cherry tree), *Prunus dulcis* (almond), *Prunus persica* (peach), *Prunus salicina* (Japanese plum), Ulmus (elms), *Vitis labrusca* (fox grape), *Vitis rupestris* (sand-grape), *Vitis vinifera* (anggur, grapevine), *Acer rubrum* (red maple), *Brachiaria* spp. (signalgrass), *Coffea* spp. (kopi, coffee), *Conium maculatum* (Poison hemlock), *Cynodon* spp *Cyperus* (flatsedge),	umbi lapis, akar, buah, bunga, batang, daun, biji, bibit.	Vektor: Hemiptera, Cicadellidae : *Cicadella viridis*, *Carneocephala fulgida*, *Draeculacephala minerva*, *Graphocephala atropunctata*, Hemiptera, Cercopidae: *Philaenus spumarius*	America: Argentina, Brazil, Canada, Costa Rica, Mexico, Paraguay, USA, Venezuela Asia: China, India, Taiwan, Turki.

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		Digitaria spp., *Echinochloa frumentacea*(Japanese millet), *Fragaria vesca* (arbei, wild strawberry), *Lolium* spp (ryegrasses), *Lolium multiflorum* (Italian ryegrass), Medicago (medic), *Paspalum* spp., *Paspalum dilatatum* (dallis grass), *Passiflora foetida* (red fruit passion flower), Poaceae (grasses), *Quercus rubra* (northern red oak), *Rubus* spp. (blackberry, raspberry), *Sambucus* spp. (Elderberry), *Salix* spp., *Taraxacum officinale, Taraxacum officinale complex* (dandelion), *Trifolium* spp., *Trifolium* (clovers), *Ulmus americana* (American elm), *Vinca minor*	batang	Africa: South Africa Asia: Turkey Europe: France, Greece, Italy, Moldova, Portugal, Spain, Switzerland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
55.	*Xylophilus ampelinus* (Panag.) Willems *et al.* ; (= *Xanthomonas ampelina*);Pseudomonadales: Pseudomonadaceae; canker of grapevine, bacterial blight of grapevine, black arm	I		*Vitis vinifera* (anggur, grapevine)	

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FITOPLASMA (*PHYTOPLASMA*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN / *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Apple chat fruit phytoplasma*; (= Apple chat fruit MLO)	I	*Malus domesticum* (apel, apple), *Malus* spp.	mata tunas, batang, tanaman, akar, bibit	Africa: South Africa America: USA Europe: Belgium, Bulgaria, Denmark, Germany, Gibraltar, Hungary, Ireland, Italy, Moldova, Netherlands, Norway, Sweden, Switzerland, UK (England and Wales, Scotland) Ocean: New Zealand
2.	*Apple rubbery wood phytoplasma*; Acholeplasmatales, Acholeplasmataceae; apple rubbery wood; quince chlorotic blotch; pear rubbery wood disease	I	*Malus domestica* (apel, apple) *Cydonia oblonga* (quince), *Malus baccata* (siberian crab apple), *Prunus avium* (sweet cherry), *Prunus cerasus* (sour cherry), *Pyrus communis* (European pear)	bahan perbanyakan vegetative, bibit, akar, tanaman hasil mikropropagasi, batang	Africa:South Africa America: Canada, Mexico, USA, Brazil Asia:India Europe: Austria, Czech Republic, Denmark, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Italy (Italy [mainland]), Moldova, Netherlands, Norway, Poland, Romania, Sweden, Switzerland, Ukraine, UK, Yugoslavia Oceania: New Zealand, Australia

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3.	*Candidatus Phytoplasma asteri*(=*Aster yellows phytoplasma group*); Acholeplasmatales; Acholeplasmataceae; tomato big bud; western aster yellows; periwinkle little leaf; eastern aster yellows; purple coneflower yellows; multiplier disease	I	*Allium cepa* (bawang bombay, onion), Alstroemeria (Inca lily), *Anemone coronaria* (Poppy anemone), *Apium graveolens* (seledri, celery), *Brassica napus var. napus* (rape), *Brassica oleracea var. capitata* (kubis, cabbage), *Brassica oleracea* var. *italica* (broccoli), *Brassica rapa* subsp. *rapa* (turnip), *Callistephus chinensis* (China aster), *Chrysanthemum coronarium* (garland chrysanthemum), *Chrysanthemum frutescens* (marguerite), *Daucus carota* (wortel, carrot), *Fragaria ananassa* (strawberry), *Gladiolus hybrids* (sword lily), *Hydrangea macrophylla* (French hydrangea), *Lactuca sativa* (lettuce), *Paulownia tomentosa* (paulownia), *Primula* sp. (primrose), *Ranunculus asiaticus* (garden crowfoot), *Spinacia oleracea*	buah, bunga, daun, akar, batang, daun, bunga, buah	Africa: South Africa America: Canada, Mexico, USA, Brazil, Peru Asia: China (Taiwan), India, Israel, Japan, Lebanon, Malaysia, Thailand Europe: Europe (as a whole), Belgium, Czech Republic, France, Germany, Greece, Italy, Portugal, Russia, Spain, UK, Poland, Finland Oceania: Australia	

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		(spinach), *Tagetes patula* (French marigold), *Trifolium repens* (white clover), *Zea mays* (jagung, maize,corn) *Catharanthus roseus* (Pink periwinkle), *Celtis australis* (European nettle wood), *Cornus racemosa* (gray dogwood), *Cryptotaenia canadensis* (honewort), *Cucurbita pepo* (ornamental gourd), *Cyclamen persicum* (cyclamens), *Delphinium hybrids* (florist's larkspur), *Echinacea purpurea* (purple coneflower), *Eupatorium capillifolium* (Dog fennel), *Euphorbia pulcherrima* (poinsettia), *Lotus corniculatus* (bird's-foot trefoil), *Solanum lycopersicon* (tomat,tomato), *Morus bombycis* (Japanese mulberry), *Myrtus communis* (myrtle), *Olea europaea* subsp. *europaea* (olive), *Opuntia* sp. (pricklypear), *Petroselinum crispum* (parsley), Populus		

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		(poplars), *Populus nigra* (black poplar), *Prumus armeniaca* (apricot), *Prumus persica* var. *nucipersica* (nectarine), *Prumus salicina* (Japanese plum), *Santalum album* (Indian sandalwood), *Solanum melongena* (aubergine), *Solanum tuberosum* (kentang, potato), Solidago (Goldenrod), *Spiraea tomentosa* (Hardhack), *Trifolium pratense* (purple clover), Vaccinium (blueberries), *Vitis vinifera* (anggur, grapevine), *Ambrosia artemisiifolia* (common ragweed), *Calendula officinalis* (Pot marigold), *Conyza canadensis* (Canadian fleabane), *Lepidium draba* (hoary cress), Malva (mallow), *Papaver rhoeas* (common poppy), *Portulaca oleracea* (purslane), *Raphanus raphanistrum* (wild radish), *Stellaria media* (common chickweed)		

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4.	*Candidatus Phytoplasma mali; Acholeplasmatales:Acholeplasmataceae; Apple proliferation*	I	*Malus domesticum* (apel, apple), *Prunussalicina* (Japanese plum), *Vitis vinifera* (anggur, grapevine), *Catharanthus roseus*, *Corylus avellana*, *Pyrus communis* (pir, pear), *Convolvulus arvensis* (bindweed), *Cynodon dactylon* (Bermuda grass), *Dahlia* sp., *Lilium* sp., *Prunus armeniaca*, *Prunus avium* (sweet cherry), *Prunus domestica (plum)*	tunas, suluran (stolon), bagian vegetatif lainnya	Africa: South Africa Asia: Turkey, India Europe: Austria, Bulgaria, Croatia, Cyprus, Czech, Denmark, France, Germany, Greece, Hungary, Italy, Moldova, Netherlands, Norway, Poland, Romania, Slovakia, Slovenia, Spain, Switzerland, Ukraine, Serbia, Bosnia and Herzegovina, Montenegro, Macedonia., Albania, Balkans, Belgium, Bulgaria, Russia, UK, Finland
5.	*Candidatus Phytoplasma Palmae; (=Coconut lethal yellowing phytoplasma; coconut lethal yellowing mycoplasma-like organism); Acholeplasmatales: Acholeplasmataceae; Lethal*	I	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm), and other Palmae (Arenga engleri, *Borassus flabellifer*, *Caryota mitis*, *Howea forsteriana*, *Hyophorbe*	biji, bibit Vektor: *Hemiptera, Cixiidae: Myndus crudus*; *Aphrophora alni*, *Lepyronia coleoptrata*; Hemiptera, Psyllidae: *Cacopsylla costalis*, *C. Mali*, *C. picta*	Africa: Benin, Cameroon, Ghana, Kenya, Mozambique, Nigeria, Tanzania, Togo America: Belize, Cayman Islands, Cuba, Dominica, Haiti, Honduras, Jamaica, Mexico, USA, Bahamas,

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		yellowing of palm;Cape St Paul disease;Cape Three Point disease; Keincope; Kribi	*verschaffeltii, Phoenix canariensis, P. dactylifera, P. reclinata, P. sylvestris, Chrysalidocarpus cabadae, Corypha utan, Dictyosperma album, Latania spp., Livistona chinensis, L. rotundifolia, Trachycarpus fortunei, Veitchia macandielsii, Veitchia merrillii, Panandus utilis*	Cicadellidae, Fulgoridae	Guatemala, Saint Kitts and Nevis, Guyana Asia: India Eropa: Netherland Oceania: Papua New Guinea, Australia
6.	*Grapevine flavescence doree phytoplasma;Acholeplasmatale s:Acholeplasmataceae;*	I	*Vitis vinifera* (anggur, grapevine) *Chrysanthemum* spp., *Xleia faba, Vince rosea.*	tunas, suluran (stolon), bagian vegetatif lainnya Vektor: Hemiptera, Cicadellidae : *Scaphoideu s titanus*	America: USA, Uruguay Europe: Croatia, France, Corsica, Germany, Italy, Slovenia, Spain, Serbia, Switzerland and Montenegro, Belgium, Netherland, Portugal
7.	*Potato witches broom phytoplasma;Acholeplasmatale : Acholeplasmataceq;* yellows-type disease; witches' broom phytiplasma	I	*Dicentra spectabilis* (bleeding heart), *Medicago sativa* (lucerne), *Nicotiana tabacum* (tembakau, tobacco), *Solanum tuberosum* (kentang, potato), *Trifolium hybridum*	akar, batang, daun, bunga, buah	America: Canada dan USA Asia: Taiwan, India dan Japan, Iran, China Europe: Poland, Ukraine, Former USSR Oceania: Tonga

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			(Alsike clover), *Trifolium pratense* (purple clover), *Trifolium repens* (white clover) S: *Catharanthus roseus* (Pink periwinkle), *Salix* (willows)			
8.	Strawberry lethal decline phytoplasma(SLD); Acholeplasmatales: Acholeplasmataceae;northwest disease	I	*Fragaria* sp.(strawberry), *Fragaria ananassa* (strawberry), *Fragaria chiloensis* (Chilean strawberry), *Fragaria vesca* (arbei, wild strawberry)	daun, batang, akar, bibit tanaman, bunga.		America: Canada, USA
9.	*Sugarcane Grassy Stunt Disease (SCGSD);Acholeplasmatales: Acholeplasmataceae;grassy shoot disease;sugarcane grassy;stunt phytoplasma;grassy shoot;gassy stunt phytoplasma; Sugarcane grassy shoot; white phytoplasmas*	I	*Saccharum officinarum* (tebu, sugarcane), *Saccharum spontaneum* (wild sugarcane) *Sorghum bicolor* (sorgum, sorghum), *Pennisetum purpureum*, *Brachiaria mutica*, *Cynodon dactylon*, *Imperata arundinacea*	stek, mata tunas, batang Vektor: Hemiptera, Aphididae: *Melanaphis sacchari* f.sp *indosacchari*		Africa: Sudan Asia: Bangladesh, Taiwan, India, Iran, Japan, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand
10.	*Sugarcane Ramu Stunt Disease Phytoplasma;Acholeplasmatale s: Acholeplasmataceae; ramu stunt*	I	*Saccharum officinarum* (tebu, sugarcane) Poaceae (grasses), *Saccharum robustum*, *Saccharum spontaneum* (wild sugarcane),	stek, mata tunas, batang, bibit Vektor:		Oceania: Papua New Guinea:

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		Saccharum sp.		Hemiptera, Delphacidae : *Eumetopina flavipes*	
11.	*Sugarcane White Phytoplasma (SCWLD); Acholeplasmatales: Acholeplasmataceae; whitedisease;India albino*	I	*Saccharum officinarum* (tebu, sugarcane). *Saccharum spontaneum, Cynodon dactylon, Brachiaria subquadripara, Dactyloctenium egyptium, Chloris barbata, Sporobolus fertilis, Saccharum edule, Saccharum robustum*	stek, tunas, akar, batang, daun, bunga	Africa: Sudan Asia: Bangladesh, Taiwan, India, Iran, Japan, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, China
				Vektor: Hemiptera, Cicadellidae : *Matsumurat ettix hiroglyphicus, Yamatotetti x flavovittatus*	

VIII. VIRUS (*VIRUSES*)

No	NAMA ILMIAH/ SINONIM/ *SCIENTIFIC NAME/ SYNONIM*	GOLONGAN / *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*African cassava mosaic begomovirus* (ACMV);(= *African cassava mosaic virus, Cassava*	I	*Manihot esculenta* (ubi kayu, cassava), *Ricinus* spp.	tanaman, batang, umbi akar,	Africa:Angola, Benin, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African

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	latent virus, Cassava latent geminivirus, Cassava mosaic virus, Cassava African mosaic begomovirus, Indian cassava mosaic disease)	*Hewittia sublobata, Laportea* (=*Fluerya*) *aestuans, Manihot glaziovii, Jatropha* sp.	tunas, suluran (stolon)	Republic, Chad, Congo, Congo Democratic republic of the, Cote d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mauritania, Mauritius, Mozambique, Nigeria, Rwanda, Sao Tome & Principe, Senegal, Seychelles, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe Asia: India, Sri Lanka
2.	*Agropyron mosaic rymovirus*(AgMV);(=*Agropyron mosaic virus, Agropyron green mosaic virus, Agropyron yellow mosaic virus, Agropyron streak mosaic virus, Couch grass streak mosaic virus, Wheat virus 2, Marmor agropyri, Agropyron mosaic PV75 severe isolate, Agropyron mosaic PV101 isolate, Agropyron mosaic mild isolate)*	I	*Bromus secalinus, Elymus repens* (quackgrass), *Elytrigia intermedia, Elytrigia repens, Hordeum vulgare, Lolium multiflorum, Lophopyrum elongatum, Poa pratensis, Secale cereal, Setaria viridis, Triticum aestivum* (wheat), *Triticum turgidum* (durum wheat), *Triticum durum*	tanaman, daun	America: Canada, USA Europe: Finland
			Vektor: Prostigmata, Eriophyidae: *Abacarus hystrix*		
3.	*Alfalfa mosaic alfamovirus* (AMV);(= *Alfalfa virus 1 & 2, Lucerne mosaic virus, Marmor medicaginis, Potato calico virus)*	I	*Medicago sativa, Solanum lycopersicum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), *Solanum tuberosum*	akar, batang, daun, bunga, buah, biji	Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Morocco, South Africa, Sudan, Tanzania, Tunisia, Zambia

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		(kentang, potato), Cucurbitaceae, *Apium graveolens* var. *rapaceum*, *Apium graveolens* (seladeri, celery), *Cicer arietinum*, *Capsicum annuum* (cabai, hot pepper, chili, red pepper), *Glycine max* (kedelai, soybean), *Lactuca sativa*, *Vigna unguiculata* (kacang tunggak, cowpea), *Vigna radiata*, *Trifolium incarnatum*, *Trifolium pratense*, *Trifolium repens*, *Viburnum opulus* *Pisum sativum*, *Cajanus cajan* (kacang gude), *Cercis siliquastrum*, *Coriandum sativum* (tumbar, coriander), *Cyphomandra betacea*, *Eutrema wasabi*, *Euonymus japonicus*, *Hibiscus cannabinus*, *Lavandula latifolia*, *Pelargonium*, *Vigna angularis*, *Solanum melongena*, *Trifolium subterraneum*, *Vicia faba*, *Vinca minor*, *Vitis vinifera*	Vektor: Hemiptera, Aphididae: *Acyrthosiphon pisum*, *Myzus persicae*	America: Argentina, Brazil, Panama, Canada, Chile, Colombia, Mexico, Peru, USA, Venezuela Asia: Bangladesh, China, India, Iran, Iraq, Israel, Japan, Jordan, South Korea, Kyrgyzstan, Lebanon, Myanmar, Nepal, Pakistan, Saudi Arabia, Syria, Tajikistan, Turkey, Uzbekistan, Yemen Europe: Austria, Belarus, Belgium, Bulgaria, Cyprus, Czech, Slovakia, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Netherlands, Poland, Portugal, Romania, Russia, Slovenia, Spain, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand	

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4.	*Andean potato latent tymovirus* (APLV);(= *Eggplant mosaic tymovirus, Andean potato latent str., Eggplant mosaic virus (Andean potato latent str.), Potato (Andean) latent virus, Potato Andean latent tymovirus, Potato Andean latent virus)*	I	*Solanum tuberosum* (kentang, potato), *Ullucus tuberosus* (ulluco)	umbi, tanaman Vektor: Coleoptera: Chrysomelidae: *Epitrix* sp.	America: Argentina, Bolivia, Chile, Colombia, Ecuador, Peru
5.	*Andean potato mottle comovirus* (APMoV);(= *Potato Andean mottle comovirus, Potato Andean mottle virus)*	I	*Capsicum annuum* (cabai, hot pepper, chili, red pepper), *Solanum tuberosum* (kentang, potato) *Gomphrena globosa, Solanum lycopersicum* (tomat, tomato), *Physalis peruviana, Amaranthus hybridus* (bayam, spinach), *Nicotiana tabacum* (tembakau, tobacco)	umbi, tanaman	America: Bolivia, Brazil, Chile, Colombia, Ecuador, Honduras, Nicaragua, Peru
6.	*Apple chlorotic leaf spot trichovirus* (ACLSV); (=*Apple chlorotic leaf spot virus; Bark split virus; Plum bark split virus; Peach green mottle virus; Pear ring pattern mosaic virus; Quince stunt virus; Apple latent virus type 1; Apple latent 1 virus; Plum pseudopox virus; Pear ring mosaic virus)*	I	*Cydonia oblonga* (quince), *Malus* (ornamental species apple), *Malus domestica* (apple), *Malus platycarpa, Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus cerasifera* (myrobalan plum), *Prunus cerasus* (sour cherry), *Prunus domestica* (plum), *Prunus persica* (peach),	tunas daun, batang, tanaman.	Africa: South Africa, Tunisia America: Canada, USA, Argentina, Brazil, Uruguay Asia: China, Taiwan, India, Iran, Israel, Japan, Jordan, Kazakhstan, Korea Republic of (South Korea), Lebanon, Syria, Turkey Europe: Albania, Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark,

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			Prunus salicina (Japanese plum), *Prunus spinosa* (blackthorn), *Prunus tomentosa* (Nanking cherry tree), *Pyrus communis* (European pear), *Pyrus pyrifolia* (Oriental pear tree) *Amelanchier canadensis* (thicket serviceberry), *Chaenomeles* (flowering quinces), *Crataegus monogyna* (hawthorn), *Crataegus rhipidophylla* (Midland hawthorn), *Mespilus germanica* (medlar), *Sorbus aucuparia* (mountain ash)		Finland, France, Germany, Greece, Hungary, Italy, Latvia, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Central Russia, Serbia and Montenegro, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK Oceania: Australia, New Zealand
7.	*Apple fruit crinkle viroid* (AFCVd);(= *Apple green crinkle disease, Apple green crinkle, Apple fruit crinkle apscaviroid*	I	(P) *Malus domesticum* (apple)	tanaman	America: USA
8.	*Apple mosaic ilarvirus* (ApMV);(= *Apple mosaic ilarvirus, European plumline pattern virus, Mountain ash variegation virus, Birch line pattern virus, Birch ringspot virus, Dutch plum line pattern virus, Hop A virus, Horse chestnut yellow mosaic virus, Rose mosaic virus, Hop virus A, Hop virus C, Mild apple mosaic*	I	*Betula, Corylus avellana, Fragaria, Humulus lupulus, Malus domesticum* (apel, apple), Prunus, *Prunus americana* (aprikot, apricot), *Prunus avium, Prunus dulcis* (almon, almond), *Ribes rubrum, Rubus* spp. (raspberry, blackberry, black raspberry)	buah, bunga, akar, batang	Africa: Algeria, Kenya, Maroco, South Africa, Tunisia, Zimbabwe America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay Asia: Azerbaijan, China, Bangladesh, India, Japan, Jordan, Lebanon, Syria, Turkey Europe: Austria, Belgium,

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	virus, Severe apple mosaic virus)		*Prunus domesticum* (plam, plum), *Prunus persica* (persik, peach), Mawar (Rosa sp), Cucumber, Vigna sinensis,		Bosnia and Herzegovina, Bulgaria, Belarus, Czech, Slovakia, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Montenegro, Macedonia Oceania: Australia, New Zealand
9.	*Apple stem grooving capillovirus* (ASGV);(= *Apple topworking disease, Citrange stunt virus, Citrus tatter leaf virus, Crab apple decline, Apple latent virus type 2, Brown line virus disease, Cheno-podium dark green epinasty virus, Apple dark green epinasty virus, Apple E36 virus, Crab stem grooving virus, Apple brown line virus)*	I	*Citrus, Lilium, Malus pumila, Malus sylvestris, Malus tortingo, Prunus mume, Prunus armeniaca, Pyrus communis, Pyrus pyrifolia, Aronia melanocarpa, Cotoneaster bullatus, Cydonia oblonga, Prunus avium, Pyronia veitchii, Sorbus aucuparia, Malus* sp, *Malus micromalus*	tanaman	Africa: South Africa, Swaziland America: Brazil, Canada, Antilles Netherlands, USA, Asia: China, Taiwan, India, Israel, Japan, North Korea, South Korea, Nepal, Pakistan, Turkey, Vietnam Europe: Austria, Belgium, Croatia, Czech, Slovakia, Denmark, Georgia, Serbia, Slovenia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Romania, Russia Oceania: Australia, New Zealand

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10.	*Apple stem pitting foveavirus* (ASPV);(= *Apple Spy 227 epinasty & decline, Pear stony pit, Quince sooty ringspot, Pear vein yellows, Pear red mottle)*	I	*Malus pumila, Pyrus communis Crataegus monogyna, Cydonia oblonga, Malus sylvestris, Malus toringo, Pyronia veitchii, Sorbus discolor.*	tanaman	Africa: South Africa America: Brazil, Canada, USA Asia: China, Japan, South Korea Europe: Austria, Belgium, Bulgaria, Czech, Slovakia, Denmark, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Italy, Netherlands, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Ukraine, UK, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia Oceania: Australia, New Zealand
11.	*Apricot ring-pox like disease*	I	*Prunus armeniaca (Apricot), Prunus avium (Sweet Cherry), Prunus salicina (Javanese plum), Prunus virginiana (Common Chokecherry tree)*	buah, daun, akar, batang	America: Canada dan USA
12.	*Arabis mosaic nepovirus* (ArMV);(= *Arabis mosaic virus, Ash ring and line pattern virus, Hop nettlehead virus, Raspberry yellow dwarf virus,*	I	*Anagallis arvensis, Apium graveolens* var. *dulce, Armoracia rusticana, Asparagus officinalis* (asparagus, asparagus),	tanaman, biji Vektor: *Dorylaimida*	Africa: South Africa America: Canada, Asia: Japan, Kazakstan, Turkey Europe: Austria, Belgium,

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Rhubarb mosaic virus, *Forsythia yellow net virus*, *Jasmine yellow blotch virus*, *Rhabarber-Mosaik-Virus*, *rhubarb mosaic virus*)		*Astilbe* sp., *Bellis perennis*, *Beta vulgaris* (bit), *Buxus sempervirens*, *Capsella bursa-pastoris*, *Carum segetum*, *Chamaecyparis lawsoniana*, *Cucumis sativus*, *Cucurbita pepo*, *Cyphomandra betacea*, *Daphne mezereum*, *Daucus carota*, *Dianthus caryophyllus*, *Forsythia intermedia*, *Fragaria vesca*, *Fraxinus excelsior*, *Humulus lupulus*, *Jasminum officinale*, *Lactuca sativa*, *Lamium amplexicaule*, *Ligustrum vulgare*, *Melilotus officinalis*, *Mentha arvensis*, *Narsisus* sp., *Phaseolus coccineus*, *Plantago lanceolata*, *Polygonum aviculare*, *P. persicaria*, *Prunus avium*, *P.domestica*, *P.persica*, *Ranunculus repens*, *Rheum rhaponticum*, *Rheum hybridum*, *Ribes* sp., *Rosa* spp., *Rubus idaeus*, *R. procerus*, *Sambucus nigra*, *Senecio vulgaris*, *Solanum nigrum*, *Stellaria media*,		*Longidorida*e:*Xiphinema diversicaudatum*, *X. madierense*, *X. coxi*	Bulgaria, Croatia, Czech, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Moldova, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, Caroline Islands, New Zealand	

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		Syringa vulgaris, Taraxacum officinale, Trifolium repens, Tulipa spp., *Urtica dioica, U. urens, Vitis vinifera, Trifolium repens, Vitis vinifera. Alstroemeria, Fragaria, Fraxinus, Hordeum vulgare, Narsisus, Ribes nigrum, Rubus*			
13.	*Arracacha virus B* (AVB);(=*Arracacha B 'nepovirus', Arracacha B nepovirus (oca strain) Arracacha virus B (oca strain)*	I	*Arracacia xanthorrhiza, Oxalis tuberosa* (oca), *Solanum tuberosum* (kentang, potato) *Brassica campestris* ssp.*rapa, Vigna unguiculata* (kacang tunggak, cowpea), *Capsicum annuum, Hyoscyamus niger*	umbi, daun, suluran (stolon), biji	America: Bolivia, Peru.
14.	*Artichoke Italian latent nepovirus* (AILV);(=*Artichoke Italian latent virus)*	I	*Cynara scolymus Cichorium intybus, Gladiolus hybrids, Pelargonium zonale hybrids, Vitis vinifera* (anggur, grapevine)	daun, suluran (stolon), batang Vektor: *Dorylaimida*, *Longidorida e: Longidorus apulus*	Europe: Bulgaria, Greece, Italy

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15.	*Asparagus 2 ilarvirus* (AV-2);(=*Asparagus virus 2, Asparagus ilarvirus 2, Asparagus virus C, Asparagus latent virus)*	I	(P) *Asparagus officinalis* (asparagus, asparagus)	pollen, biji, suluran (stolon)	America: Canada, Mexico, USA Europe: Denmark, Germany, Italy, UK, Japan
				Vektor: *Dorylaimida*, *Longidoridae*: *Longidorus apulus*	
16.	*Avocado sunblotch avsunviroid* (ASBVd);(= *Avocado sunblotch viroid, Sunblotch viroid (avocado))*	I	*Persea americana* (alpokat, avocado) *Cinnamomum camphora, Cinnamomum zeylanicum, Ocelea bullata,*	kulit, buah, bunga, daun, suluran (stolon), batang, biji	Africa: South Africa America: Peru, USA, Venezuela, Europe: Spain, Israel Oceania: Australia
17.	*Banana bract mosaic potyvirus (BBrMV);(= Banana bract mosaic virus)*	I	*Musa paradisiaca*	tanaman, bibit	America: Ecuador Asia: India, Philippines, Sri Lanka, Thailand, Vietnam Oceania: Samoa
18.	*Barley stripe mosaic hordeivirus* (BSMV);(= Barley stripe mosaic virus, *Barley false stripe virus, Barley mosaic virus, Oat stripe mosaic virus, Barley mild stripe virus, Barley yellow stripe (possibly))*	I	*Hordeum vulgare* (barli, barley), *Triticum aestivum* (gandum, wheat) Poaceae, *Secale cereale* (rye), *Zea mays* (jagung, corn), *Oryza sativa* (padi, paddy), *Sorghum bicolor* (sorgum, sorghum), *Panicum* spp. (millet)	polen, biji, tanaman	Africa: Egypt, South Africa, Tunisia America: Argentina, Brazil, Canada, Mexico, Peru, USA Asia: China, Israel, Japan, Jordan, South Korea, Lebanon, Pakistan, Syria, Turkey Europe: Bulgaria, Czech, Denmark, Greece, Hungary, Moldova, Poland, Portugal,

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					Romania, Russia, Slovakia, Switzerland, Ukraine, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Oceonia: Australia, New Zealand
19.	*Barley yellow dwarf luteovirus* (BYDV);(=*Barley yellow dwarf virus; Maize leaf fleck virus; Wheat cereal yellow dwarf virus;* *Rice giallume virus; Hordeum virus nanescens; Red leaf disease of barley)*	I	*Avena sativa* (oats), *Hordeum vulgare* (barley), *Lolium multiflorum* (Italian ryegrass), *Lolium perenne* (perennial ryegrass), *Oryza sativa* (rice), *Poaceae* (grasses), *Secale cereale* (rye), *Triticum aestivum* (wheat), *Triticum turgidum* (durum wheat), *Zea mays* (corn) *Agrostis stolonifera* (creeping bentgrass), *Arrhenatherum elatius* (false oatgrass), *Bromus* (bromegrasses), *Bromus catharticus* (prairiegrass), *Elymus repens* (quackgrass), *Eragrostis curvula* (weeping lovegrass), *Festuca* (fescues), *Leersia oryzoides* (Rice cutgrass), *Miscanthus sinensis* (Eulalia), *Pennisetum clandestinum* (kikuyu grass), *Phleum*	tanaman, akar, batang, daun, bunga Vektor: Hemiptera, Aphididae:*Aulacorthum circumflexum* (= *Amphorophora circumflexa, Macrosiphum circumflexa, Myzus circumflexus*, *Aulacorthum circumflexum*, *Siphonophor*	Africa: Algeria, Egypt, Ethiopia, Kenya, Libya, Morocco, Mozambique, South Africa: Tanzania, Tunisia, Zimbabwe.. America: Canada, Mexico, USA, Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana Asia: China, India, Iran, Israel, Japan, Jordan, Lebanon, Pakistan, Syria, Thailand, Turkey. Europe: Belgium, Czech, Slovakia, Denmark, Finland, Former, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, Switzerland,

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		pratense (timothy), *Phragmites* (reed), *Saccharum officinarum* (sugarcane), *Setaria italica* (foxtail millet), *Sorghum bicolor* (sorghum), *Trifolium repens* (white clover)	*a circumflexa)*; *Ceruraphis eriophori*; *Metopolophium dirhodum*(= *Acyrthosiphon dirhodum*,); *Myzus persicae*; *Rhopalosiphum insertum* (=*Rhopalosiphum annuae*, *Rhopalosiphum fitchii*); *Rhopalosiphum maidis*(=*Aphis maydis*); *Rhopalosiphum padi* (=*Anuraphis padi*, *Rhopalosiphum prunifoliae*); *Rhopalosiphum rufiabdomin*	Ukraine, UK. Oceania: Australia, New Zealand.

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			alis; *Schizaphis graminum*(= *Toxoptera graminum*); *Sipha agropyrella*; *Macrosiphum avenae* (= *Macrosiphum granarium*, *Sitobion avenae*); *Macrosiphum fragariae* (= *Sitobion fragariae*);			
20.	*Bean golden mosaic begomovirus* (BGMV)(= *Bean golden mosaic geminivirus*, *Bean golden mosaic virus (type 1) Brazil*, *Bean golden yellow mosaic virus (type 2)*, *Caribbean mosaico dorado*, *Bean calico mosaic begomovirus (possible strain)*)	I	*Vigna unguiculata* (kacang tunggak, cowpea), *Phaseolus* sp., *Phaseolus lathyroides*, *Phaseolus acutifolius*, *Glycine max* (kedelai, soybean) *Cajanus cajan* (kacang gude), *Calopogonium mucunoides*, *Pachyrhizus erosus*, *Vigna angularis*, *Phaseolus coccineus*, *Vigna mungo*, *Nicotiana tabacum* (tembakau, tobacco)	tanaman Vektor: Hemiptera: Aleyrodidae: *Bemisia argentifolii*, *B. tabaci*	Africa: Nigeria America: Argentina, Colombia, Costa Rica, Cuba, Dominica, Guatemala, Jamaica, Mexico, Nicaragua, Puerto Rico, USA, Venezuela	

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21.	*Bean pod mottle comovirus* (BPMV);(=*Bean Pod mottle virus, Desmodium virus*)	I	*Glycine max* (kedelai, soybean), Fabaceae lain	biji, tanaman	America: Brazil, Canada, Ecuador, Peru, USA
				Vektor: Coleoptera, Chrysomelidae: *Cerotoma trifurcate, Diabrotica balteata, D. undecimpunctata, Colaspis flavida, C. lata),* Coleoptera, Coccinelidae: *Epilachna varivestis, E. vittata*	
22.	*Beet curly top curtovirus* (BCTV);(= *Beet curly top virus, Beet curly top geminivirus, Beet curly top hybrigeminivirus, Sugarbeet curly top virus,Tomato yellow virus, Sugar beet curly-leaf virus, Sugarbeet virus 1, Tomato yellows virus, Western yellow blight virus, Potato green dwarf virus)*	I	*Beta vulgaris* (bit gula, sugar beet), *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), *Vigna unguiculata* (kacang tunggak, cowpea), Cucurbitaceae, *Beta vulgaris* (bit, beetroot), *Cucumis sativus* (mentimun, cucumber), *Solanum lycopersicum*	daun	Africa: Ivory Coast, Egypt America: Argentina, Bolivia, Canada, Costa Rica, Mexico, USA, Uruguay Asia: India, Iran, Israel, Japan, South Korea, Turkey Europe: Cyprus, Italy
				Vektor: Hemiptera, Cicadellidae: *Neoaliturus tenellus, N. opacipennis*	

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		(tomat, tomato), *Phaseolus vulgaris* (buncis, common bean), *Linum usitatissimum* (flax), *Nicotiana tabacum* (tembakau, tobacco), *Solanum tuberosum* (kentang, potato)			
23.	*Beet leaf curl rhabdovirus* (BLCV);(= *Beet leaf curl virus, Beta virus 3, RubenkrSusel-Virus, Rübenkräusel sugar beet leaf crinkle virus, Sugar beet leaf curl rhabdo virus, Sugar beet virus 3, Beet leaf crinkle virus, Sugar beet leaf curl virus*)	I	*Beta* spp. *Atriplex, Spinacia, Tetragonia tetragonioides*	daun, akar, batang, tanaman Vektor: Hemiptera, Piesmidae: *Piesma quadratum*	Europe:Germany, Poland, Turkey
24.	*Broad bean wilt fabavirus* (BBWV);(=*Broad bean wilt virus, Nasturtium ringspot virus, Catalpa chlorotic leaf spot virus, Tropaeolum ringspot virus, Nasturtium white spot virus, Patchouli mild mottle virus, Petunia ringspot virus, Pea streak virus, Patchouli mild mosaic virus*)	I	*Apium graveolens (celery), Beta vulgaris var. saccharifera (sugarbeet), Brassica napus var. napus (rape), Brassica rapa subsp. chinensis (Chinese cabbage), Capsicum annuum (bell pepper), Capsicum frutescens (chilli), Cynara cardunculus L. var. scolymus (globe artichoke), Daucus carota (carrot), Glycine max (soyabean), Lactuca sativa (lettuce), Lycopersicon esculentum*	polong biji, akar, batang, daun, bunga, buah.	Africa: Egypt, Ethiopia, Morocco, South Africa, Sudan, Tanzania, Tunisia, America: USA, Argentina Asia: Bangladesh, China, Taiwan, India, Iran, Iraq, Japan, Jordan, North Korea, South Korea, Philippines, Singapore, Syria, Turkey, Europe: Bulgaria, Czech Republic, Slovenia, Macedonia, Croatia, Serbia, Montenegro, Kosovo, Bosnia, France, Germany, Greece, Hungary, Italy, Poland,

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		(tomato), Nicotiana tabacum (tobacco), Petroselinum crispum (parsley), Phaseolus lunatus (lima bean), Phaseolus vulgaris (common bean), Pisum sativum (pea), Solanum melongena (aubergine), Spinacia oleracea (spinach), Tropaeolum majus (common nasturtium), Vicia faba (broad bean), Vigna angularis (adzuki bean), Vigna radiata (mung bean), Vigna unguiculata (cowpea), Vitis vinifera (grapevine)		Slovakia, Spain, United Kingdom, Oceania: Australia
		Cicer arietinum (chickpea)		
25.	*Brome mosaic bromovirus* (BMV);(=*Brome mosaic virus, Weidel gras mosaik virus, Ryegrass streak virus, Trespen gras mosaik virus, Marmor graminis)*	I	tanaman	Africa: South Africa, America: North America Europe: Hungary, Russian Federation, Sweden, Oceania: Australia
		Bromus inermis (Awnless brome) Avena sativa (oats), Bromus (bromegrasses), Chenopodium quinoa (quinoa), Commelina communis (common dayflower), Commelina diffusa (spreading dayflower), Hordeum vulgare (barley), Oryza sativa (rice), Poaceae (grasses), Triticum aestivum (wheat), Vigna unguiculata (cowpea), Zea mays (corn)		

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26.	*Cacao yellow mosaic tymovirus* (CYMV);(=*Cacao yellow mosaic virus)*	I	*Theobroma cacao* (kakao, cocoa) *Cola nitida, Culcasia scandens*	akar, batang, daun, bunga, buah		Africa: Sierra Leone
27.	*Carnation necrotic fleck closterovirus* (CNFV);(= *Carnation necrotic fleck virus, Carnation streak virus, Carnation yellow fleck virus)*	I	*Dianthus caryophyllus Dianthus barbatus, D.chinensis, Saponaria vaccaria, Silene armeria* Vektor: *Hemiptera,* Aphididae: *Myzus persicae*	bunga, akar, daun, batang		America: Colombia, USA, Venezuela Asia: Israel, Japan Europe: Belgium, Czech, Slovakia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Italy, Netherlands, Spain, UK, Oceania: Australia, New Zealand
28.	*Cassava brown streak virus* (CBSaV);(= *Cassava brown streak carlavirus, Cassava brown streak potyvirus, Cassava brown streak-associated (?) carlavirus)*	I	*Manihot esculenta* (ubi kayu, cassava)	tunas, tanaman		Africa: Angola, Guinea Ekuator, Kenya, Malawi, Mozambique, Tanzania, Zanzibar, Uganda, Zimbabwe
29.	*Cereal yellow dwarf polerovirus-RPV (CYDRV);(=Cereal yellow dwarf virus)*	I	*Avena sativa* (oats), *Hordeum vulgare* (barley), *Secale cereale* (rye), *Triticum aestivum* (wheat), *Triticum turgidum* (durum wheat)	tanaman, akar, batang, daun, bunga		Africa: Egypt, South Africa, America: Canada, Ecuador, Mexico, USA Asia: China, India, Israel, Japan, Jordan, Pakistan Europe: Belgium, Czech Republic, Czech Republic, Slovakia, Ukraine, Denmark, France, Germany, Hungary, Ireland, Italy, Netherlands,

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					Norway, Russia, Sweden, Switzerland, United Kingdom Oceania: Australia, New Zealand
30.	*Cherry leafroll nepovirus* (CLRV);(= *Cherry leafroll virus, Golden elderberry virus)*	I	*Betula* (birches), *Betula pendula* (common silver birch), *Cornus* (Flowering dogwood), *Fagus sylvatica* (common beech), *Fraxinus excelsior* (ash), *Juglans regia* (walnuts), *Juglans regia* (walnut), *Ligustrum* (privet), *Prunus avium* (sweet cherry), *Ptelea trifoliata* (Hoptree), *Rubus procerus*, *Sambucus canadensis* (American elder), *Sambucus racemosa* (red-berried elder), *Syringa vulgaris* (lilac), *Ulmus* (elms), *Ulmus americana* (American elm) *Delphinium hybrids* (florist's larkspur), *Pelargonium* (pelargoniums), *Rubus idaeus* (raspberry) (Wild hosts): *Plantago* (Plantain), *Rumex* (Dock)	biji, daun, tanaman.	America: Canada, USA, Chile Asia: China, Turkey Europe: Albania, Belgium, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia and Montenegro, Slovakia, Slovenia, Spain, Switzerland, UK, Scotland Oceania: Australia, New Zealand
31.	*Cherry rasp leaf nepovirus* (CRLV);(= *Apple flat apple virus, Cherry rasp leaf virus,*	I	*Prunus avium, Prunus cerasus, Prunus persica, Prunus mahaleb, Malus*	tanaman	America: Canada, USA

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	Flat apple virus)		*domesticum* (apel, apple) *Rubus* spp. (raspberry)		
32.	*Citrus* impietratura virus;(= *Citrus impietratura disease*)	I	*Citrus* spp.(jeruk, orange)	akar, batang, daun, bunga, buah	Africa: Algeria, Libya, Morocco, South Africa, Tanzania, Zimbabwe America: Venezuela Asia: India, Israel, Lebanon, Turkey Europe: Cyprus, Greece, Italy, Spain
33.	*Citrus* leaf rugose ilarvirus (CiLRV);(= *Citrus leaf rugose ilarvirus, Citrusvariegation virus, Citrus crinkly leaf ilarvirusm, Citrusvariegation ilarvirus)*	I	*Citrus aurantifolia, C. limon, C. paradisi* *Vigna unguiculata* (kacang tunggak, cowpea)	tunas, biji	America: USA Europe: Turkey Oceania: Australia
34.	Clover yellow vein potyvirus (ClYVV);(=*Clover yellow vein virus, Pea necrosis virus, Bean yellow mosaic virus-S (severe strain), Bean yellow mosaic virus-N (necrotic strain) Statice virus Y)*	I	*Lathyrus odoratus (sweet pea), Phaseolus vulgaris (common bean), Trifolium hybridum (Alsike clover), Trifolium repens (white clover), Trifolium vesiculosum (Arrowleaf clover)* *Alysicarpus vaginalis (alyce clover), Borago officinalis (Borage), Coriandrum sativum (coriander), Cucurbita pepo (ornamental gourd), Gentiana (gentians), Gladiolus hybrids (sword*	umbi (*bulbs/ tubers/ corms/rhizomes*), daun, bibit, batang	America: Canada, USA, Colombia, Asia: Japan, South Korea, Yemen, Europe: Czech, Slovakia, France, Germany, Hungary, Italy, Netherlands, Poland, Spain, Sweden, United Kingdom Oceania: Australia, New Zealand

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				lily), Impatiens walleriana (Busy-lizzy), Limonium sinuatum (sea pink), Lupinus (lupins), Lupinus albus (white lupine), Lupinus angustifolius (lupin), Lupinus luteus (yellow lupin), Medicago lupulina (black medick), Medicago sativa (lucerne), Melilotus officinalis (Field melilot), Pisum sativum (pea), Psophocarpus tetragonolobus (winged bean), Trifolium (clovers), Trifolium incarnatum (Crimson clover), Trifolium pratense (purple clover), Trifolium subterraneum (subterranean clover), Vicia faba (broad bean), Viola odorata (English violet), Daucus carota (carrot), Iris (irises), Lamium amplexicaule (henbit deadnettle), Plantago major (broad-leaved plantain), Veronica persica (creeping speedwell)		
35.	*Cocoa swollen shoot badnavirus (CSSV)*; (=*Cocoa swollen shoot virus*(CoNV),	I	*Theobroma cacao* (kakao, cocoa) *Ceiba pentandra* (kapuk	akar, batang, daun,		Africa:Ivory Coast, Ghana, Nigeria, Sierra Leone, Togo, Northwest Africa

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Cocoa necrosis nepovirus, Cocoa red mottle virus, Cocoa vein clearing virus, Cacao virus 1, Theobroma virus 1)		randu, kapok)	bunga, buah	America: Colombia, Venezuela Asia: Sri Lanka
			Vektor:Hemiptera, Pseudococcidae: *Delococcus tafoensis, Ferrisia virgata, Paraputo anomalus, Phenacoccus hargreavesi, Planococcoides njalensis, Planococcus citri, Pseudococcus concavocerari, Pseudococcus longis* Dorylaimida : Longidoridae *Longidorus* spp.	

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36.	*Coconut cadang-cadang cocadviroid* (CCCVd);(=*Coconut cadang-cadang viroid, Palm cadang-cadang viroid)*	I	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oilpalm), *Arenga pinnata, Borassus flabelifer* (lontar, palmyra palm), *Chloris, Phoenix dactylifera Corypha elata, Livistona rotundifolia,* Arecaceae, Panandaceae, Zingiberaceae, Marantaceae (*Maranta* sp.), Commelinaceae	biji, buah, tanaman Vektor:Pros tigmata, Tenuipalpid ae: *Brevipalpus phoenicis*	Asia: Philippines, Malaysia Oceania: Solomon Islands Island
37.	*Coconut tinangaja cocadviroid* (CTiVd);(=*Coconut tinangaja viroid)*	I	*Cocos nucifera* (kelapa, coconut)	biji, buah, tanaman	Oceania: Guam
38.	*Coffee blister spot virus*;(=*Coffee blister spot agent)*	I	*Coffea* spp. (kopi, coffee)	biji, buah, tanaman	America:, Costa Rica
39.	*Coffee ringspot rhabdovirus* (CoRSV);(= *Coffee ringspot virus, Coffee ringspot nucleorhabdovirus)*	I	*Coffea* spp. (kopi, coffee)	biji, tanaman	America: Brazil, Costa Rica Asia: Philippines
40.	*Cotton anthocyanosis virus*(CAV);(=*Cotton anthocyanosis (?) luteovirus; Cotton small leaf virus)*	I	*Gossypium barbadens* (kapas, Gallinicotton), Gossypium hirsutum (kapas, Bourbon cotton) *Abelmoschus esculentus, Hibiscus cannabinus, Sida rhombifolia, S. micrantha*	tunas, tanaman Vektor: Hemiptera, Aphididae: *Aphis gossypii*	America: Brazil Asia: India, Pakistan

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41.	*Cotton leaf curl begomovirus* (CLCuV);(= *Cotton leaf curl geminivirus, Cotton leaf crumple begomovirus)*	I	*Gossypium barbadens* (kapas, cotton), *Abelmoschus esculentus, Hibiscus cannabinus, Phaseolus vulgaris* (buncis, common bean), *Vigna unguiculata* (kacang tunggak, cowpea) *Abelmoschus esculentus, Althea rosae, Corchorus fasicularis, Castanospermum australe, Glycine max (kedelai, soybean), Hibiscus cannabius, H. escu lentus, H. sabdarifa, Malvaviscus arboreus, Malva parviflora, Phaseolus acutifolius, Vigna angularis, Sida alba*	Vektor: Hemiptera, Aleyrodidae: *Bemisia tabaci*	Africa: Benin, Burkina Faso, Cameroon, Central Africa, Chad, Ivory Coast, Egypt, Ghana, Niger, Nigeria, Sudan, Togo America: Mexico, USA, Guatemala Asia: India, Pakistan, Philippines
42.	*Cotton leaf mottle disease*;(=*Cotton mosaic agent)*	I	*Gossypium barbadens* (kapas, cotton), *Gossypium hirsutum*	akar, batang, daun, bunga, buah Vektor: Hemiptera, Aleyrodidae: *Bemisia tabaci*	Africa: Benin, Cameroon, Central Africa, Chad, Ivory Coast, Egypt, Ghana, Mali, Nigeria, Sudan, Tanzania, Togo

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43.	*Cowpea chlorotic mottle bromovirus* (CCMV);(= *Bean yellow stipple virus, Cowpea chlorotic mottle virus, Virus del moteado amarillo, Marmor flavopunctum)*	I	*Vigna unguiculata* (kacang tunggak, cowpea), *Glycine max* (kedelai, soybean) *Arachys hypogaea* (kacang tanah, peanut), *Nicotiana tabacum* (tembakau, tobacco), *Beta vulgaris*(bit), *Cajanus cajan*(kacang gude), *Cassia occidentalis, C.tora*	tanaman Vektor: Coleoptera, Chrysomelidae: *Ceratoma ruficornis, C.trifurcata, Diabrotica balteata, D. undecimpunctata,*	Africa: Nigeria America: Costa Rica, Cuba, USA Asia: India
44.	*Cucumber green mottle mosaic tobamovirus* (CGMMV);(= *Bottlegourd indian mosaic virus, Cucumber green mottle mosaic virus, Cucumber green mottle mosaic watermelon strain (W), Cucumber virus 2, Cucumber virus 3, Cucumber virus 4, Cucumis virus 2, Tobacco mosaic virus watermelon strain-W)*	I	*Cucumis sativus* (mentimun, cucumber), *Citrullus vulgaris* (semangka, watermelon), *Cucumis melo* (melon, melon), *Lagenaria siceraria, Momordica charantia Prunus Americana* (apricot)	biji, akar, tanaman, tanah, air, pupuk, media tanam Vektor: *Coleoptera: Chrysomelidae: Raphidopalpa fevicollis;* Solanales, Convolvulaceae: *Cuscuta* spp.	America: Brazil Asia: Taiwan, India, Iran, Israel, Japan, South Korea, Lebanon, Saudi Arabia Europe: Austria, Czech, Slovakia, Denmark, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Germany, Greece, Hungary, Latvia, Netherlands, Romania, Russia, Spain, Sweden, Ukraine, UK, Georgia,

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45.	*Dasheen mosaic potyvirus* (DsMV);(=*Dasheen mosaic virus)*	I	*Aglaonema, Alocasia, Amorphophallus, Anthurium, Araceae, Caladium, Colocasia, Colocasia esculenta (taro), Dieffenbachia (dumbcanes), Philodendron, Spathiphyllum, Xanthosoma (cocoyam), Zantedeschia (calla-lilies) Cyrtosperma merkusii (giant swamp taro)*	daun, tanaman	Africa: Africa, Cameroon, Egypt, Nigeria, South Africa, America: Costa Rica, Cuba, Dominican Republic, Jamaica, Martinique, Puerto Rico, Trinidad and Tobago, USA, Brazil, Venezuela Asia: China, Taiwan, India, Japan Europe: Belgium, Denmark, Italy, Netherlands, United Kingdom, Oceania: American Samoa, Australia, Cook Islands, Fiji, French Polynesia, Guam, Kiribati, New Zealand, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu
46.	*Dendrobium vein necrosis (?) closterovirus* (DVNV)	I	Orchidaceae	tanaman,	Europe: Germany
47.	*Grapevine Bulgarian latent nepovirus* (GBLV);(=*Grapevine Bulgarian latent virus, Virus CM112)*	I	*Vitis spp.* (anggur, grapevine).	batang tanaman, biji	Europe: Bulgaria, Hungary, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Portugal
48.	*Grapevine chrome mosaic nepovirus* (GCMV);(= Grapevine chrome mosaic virus, *Grapevine Hungarian chrome mosaic virus)*	I	*Vitis vinifera* (anggur, grapevine) *Apium graveolens*	kulit, batang, daun, tunas, akar, biji	Europe: Austria, Croatia, Czech, Slovakia, Hungary

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49.	*Grapevine fanleaf nepovirus* (GFLV);(= Grapevine fan leaf virus, *Grapevine veinbanding virus, Grapevine yellow mosaic virus, Grapevine arricciamento virus, Grape vine infectious degeneration virus, Grapevine roncet virus, Grapevine urticado virus)*	I	*Vitis vinifera* (anggur, grapevine) *Cucumis sativus, Phaseolus vulgaris (*buncis, common bean*), Vigna unguiculata (*kacang tunggak, cowpea*)*	tunas, suluran (stolon), tanaman, biji Vektor: Dorylaimida, Longidoridae: *Xiphinema index, X. Italye*	Africa: Algeria, Egypt, Madagascar, Morocco, Nigeria, South Africa, Tunisia America: Argentina, Bolivia, Brazil, Canada, Chile, Mexico, USA, Venezuela Asia: China, Iran, Israel, Japan, Jordan, Kazakhstan, Lebanon, Philippines, Syria, Turkey, Europe: Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech, Slovakia, France, Germany, Greece, Crete, Hungary, Italy, Macedonia, Malta, Moldova, Portugal, Romania, Russia, Slovenia, Spain: Canary Island, Switzerland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Armenia, Oceania: Australia, New Zealand
50.	*Grapevine fleck maculavirus* (GFkV);(= Grapevine fleck virus, *Grapevine marbrure virus, Grapevine phloem-limited isometric virus)*	I	*Vitis vinifera* (anggur, grapevine)	batang, tanaman	Africa: South Africa America: Brazil, USA Asia: Jordan, Syria Europe: Albania, France, Italy,

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51.	*Grapevine leafroll-associated closterovirus* (GLRaV);(= *Grapevine leafroll-associated virus, Grapevine B virus, Grapevine leafroll disease, Grapevine C virus)*	I	*Vitis vinifera* (anggur, grapevine)	kulit, akar, batang, daun, kutur jaringan Vektor: Hemiptera, Pseudococcidae: *Pseudococcus longis, P. calceolariae, P. maritimus, P.affinis, P. viburni, Planococcus ficus, P.citri, Heliococcus bohemicus, Phenacoccus* sp.; *Hemiptera, Coccidae: Pulvinaria vitis, Parthenolecanium corni, Neopulvinaria inummerabilis*	Africa: Algeria, Morocco, Tunisia, Brazil, Canada, Chile, Mexico, USA Asia: China, Taiwan, Gaza, Israel, Japan, Jordan, South Korea, Lebanon, Turkey, Yemen, Europe: Albania, Austria, Bulgaria, Croatia, Cyprus, Czech, Slovakia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Italy, Malta, Moldova, Portugal, Romania, Spain, Switzerland, Ukraine, Armenia Oceania: Australia, New Zealand	

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52.	*Grapevine stem pitting associated closterovirus* (GVA);(=*Grapevine corky bark closterovirus, Grapevine batang pitting disease, Grapevine stem pitting virus, Grapevine virus A, Legno Riccio (possibly), Rugose wood (possibly), Grapevine corky bark disease)*	I	*Vitis vinifera* (anggur, grapevine)	tunas, suluran (stolon), kulit, batang, daun, tunas, akar. Vektor: Hemiptera, *Pseudococcidae*	Africa: South Africa, Tunisia, South Africa America: Brazil, Mexico, USA Asia: Jordan, Lebanon, Yemen, Central East Europe: Albania, Bulgaria, Italy, Portugal
53.	*Grapevine vein necrosis agent (GVVN);(=Grapevine vein necrosis virus, Grapevine vein necrosis disease)*	I	*Vitis vinifera* (anggur, grapevine)	tanaman, batang	Europe: Hungary, Turkey
54.	*Hop stunt viroid (HSVd);(=Citrus cachexia viroid, Citrus xyloporosis viroid, Citrus xyloporosis 'virus', Cucumber pale fruit viroid, Hop stunt hostwiroid)*	I	*Citrus* spp.(jeruk, orange)	tanaman, batang	America: Cuba, USA
55.	*Impatiens necrotic spot tospovirus* (INSV);(= *Impatiens necrotic spot virus)*	I	*Chrysanthemum* sp. (daisy), *Impatiens* sp. (balsam) *Cichorium* sp., *Cyclamen persicum, Gentiana* sp., *Isotoma axillaris, Kalanchoe* sp, *Ocimum basilicum, Phalaenopsis hybrids, Rubus, Spinacia oleracea, Valerianella,*	Daun, tanaman. Vektor: Thysanoptera, Thripidae: *Frankliniella occidentalis*	America: Canada, Chile, Costa Rica, Mexico, USA Asia: China, Iran, Japan Europe: Austria, Belgium, Bulgaria, Czechia, Finland, France, Germany, Guernsey, Hungary, Italy, Netherlands, Poland, Portugal, Slovenia, Spain, United Kingdom Oceania: New Zealand

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		Cardamine scutata, Cerastium glomeratum, Stellaria media, Arachis hypogaea (peanut), *Capsicum annuum* (paprika, bell pepper), *Capsicum* spp., *Cucumis sativus* (cucumber), *Lactuca sativa* (lettuce), *Lycopersicon esculentum* (tomato)			
56.	*Johnsongrass mosaic potyvirus (JGMV);(=Maize dwarf mosaic virus - strain O, Johnsongrass mosaic virus, Sugarcane mosaic virus - Australian Johnson grass virus, Maize dwarf mosaic virus - Kansas I strain)*	I	*Pennisetum glaucum* (pearl millet), *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorghum), *Sorghum halepense* (Johnson grass), *Urochloa brizantha* (palisadegrass), *Zea mays* (jagung, corn)	biji, akar, batang, daun, bunga, buah	America: Colombia, Venezuela Europe: Hungary Oceania: Australia
57.	*Lettuce mosaic virus* (LMV);(=*Lettuce mosaic potyvirus, Lettuce virus 1)*	I	*Cichorium intybus (chicory), Lactuca sativa (lettuce) Carthamus tinctorius (safflower), Cicer arietinum (chickpea), Cichorium endivia (endives), Eustoma grandiflorum (Lisianthus (cut flower crop)), Pisum sativum (pea), Spinacia oleracea (spinach), Sonchus (Southistle), Stellaria media (common chickweed,*	daun, tanaman.	Africa: Egypt, Ghana, Malawi, Mauritius, Morocco, Sierra Leone, South Africa, Tanzania, Tunisia, Zambia, Zimbabwe. America: Argentina, Brazil, Canada, Chile, Ecuador, Jamaica, Mexico, USA, Uruguay. Asia: China, India, Iran, Iraq, Israel, Japan, Jordan, Lebanon, Malaysia, Syria,

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		Sinapis arvensis (wild mustard)			Taiwan, Yemen. Europe: Austria, Belgium, Croatia, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey, United Kingdom. Oceania: Australia, New Zealand.
58.	*Little cherry virus 1* (LChV 1);(=*Cherry little cherry closteovirus, Cherry little cherry virus, Little cherry closteovirus)*	I	*Prunus avium* (*Cherry) Prunus cerasus, Prunus emarginata, Prunus incise, Prunus mahaleb, Prunus sargentii, Prunus serrula, Prunus serrulata, Prunus subhirtella, Prunus tomentosa, Prunus x sieboldii, Prunus x yedoensis, Prunus pensylvanica*	kulit kayu, bunga, daun, akar, batang di atas permukaan tanah	America: Canada, USA Asia: Japan Europe : Belgium, Czechia, Germany, Greece, Italy, Poland, Romania, Switzerland, Turkey, United Kingdom Oceania: New Zealand
59.	*Lucerne enation rhabdovirus* (LEV);(=*Alfalva enation virus, Lucerne enation virus)*	I	*Alfalfa sp*, Fabaceae, *Medicago sativa, Nicotiana tabacum, Solanum lycopersicum, Solanum tuberosum*	tanaman	Africa: South Africa, Sudan America: Argentina, Canada, Colombia, Peru, USA Asia: Iran, Japan Europe : Belgium, Bulgaria, Czech, Slovakia, Denmark, Greece, Hungary, Italy, Poland, Romania, Russia, Serbia, Switzerland Oceania: Australia

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60.	*Maize chlorotic dwarf waikavirus* (MCDV);(= *Maize chlorotic dwarf machlovirus, Maize chlorotic dwarf MCDV group, Maize chlorotic dwarf ribotungrovirus, Maize chlorotic dwarf virus, Corn stunt agent)*	I	*Zea mays* (jagung, corn) *Sorghum bicolor* (sorgum, sorghum), *Setaria* spp.	tanaman Vektor: Hemiptera, Cicadellidae : *Amblysellus grex, Dalbulus maidis, Endria inimica, Exitianus exitiosus, Graminella nigrifrons, Graminella sonora, Macrosteles severini, Planicephalus flavo costatus, Stirellus bicolor*	America: USA
61.	*Maize chlorotic mottle machlomovirus* (MCMV);(= *Maize chlorotic mottle virus, Maize mottle virus, Peru corn virus*)	I	*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum) *Bromus arvensis, Panicum*	biji, tanaman Vektor: Coleoptera, Chrysomelidae:	America: Argentina, Mexico, Peru, USA

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		vurgatum, *Setaria glauca*, *Zea diploperennis*	*Chaetocnema pulicaria*, *Diabrotica* spp., *Oulema melanopus*, *Systena frontalis* Thysanoptera, Thripidae: *Frankliniella williamsii*		
62.	*Maize dwarf mosaic potyvirus* (MDMV);(=*Sorghum red stripe virus*; *European maize mosaic virus*; *Indian maize mosaic virus*; *Maize dwarf mosaic virus*, *Maize stripe mosaic virus)*	I	*Sorghum halepense* (Johnson grass), *Sorghum bicolor* (sorgum, sorghum), *Zea mays* (jagung, corn), *Zea mays* subsp. *mays* (sweetcorn) *Avena sativa* (oats), *Panicum miliaceum* (millet), *Saccharum officinarum* (tebu, sugarcane)	bibit, biji	Africa: Ivory Coast, Egypt, Ethiopia, Kenya, Mauritius, Morocco, Niger, Nigeria, South Africa, Zambia, Zimbabwe. America: Argentina, Canada, Chile, Colombia, Haiti, Honduras, Mexico, Peru, USA, Hawaii, Venezuela. Asia: China (Taiwan), Georgia (Republic), India (Uttar Pradesh), Iran, Iraq, Israel, Kazakhstan, Korea Republic of (South Korea), Pakistan, Philippines, Turkey, Uzbekistan. Europe: Bulgaria, Croatia, Czech Republic, Czech Republic and Slovakia,

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						Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Italy, Romania, Russia (Russia (Europe)), Spain, Ukraine,
63.	*Maize mosaic nucleorhabdovirus* (MMV);(= *Maize mosaic virus, Maize stripe Indian virus, Sorghum chlorosis virus, Zea mays virus)*	I	*Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum) *Axonopus, Hordeum vulgare, Rottboellia cochin chinensis, Sorghum halepense, Zea mexicana*	tanaman Vektor: Hemiptera, Delphacidae : *Peregrinus maidis*		Africa: Kenya, Madagascar, Mauritius, Mozambique, Nigeria, Réunion, Tanzania, Zimbabwe America: Brazil, Colombia, Cuba, Guyana France, Guadeloupe, Mexico, Peru, Puerto Rico, Suriname, USA, Venezuela Asia: India, Yemen
64.	*Maize rayado fino marafivirus* (MRFV);(=*Maize rayado fino virus)*	I	*Zea mays* (jagung, corn)	tanaman Vektor: Hemiptera, Cicadellidae :*Dalbulus maidis, D.elimatus, Baldulus tripsaci, Graminella nigrifrons*		America: Argentina, Brazil, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, USA, Uruguay, Venezuela

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65.	*Maize rough dwarf fijivirus* (MRDV);(= *Cereal tillering disease fijivirus, Cereal tillering disease reovirus, Cereal tillering disease virus, Maize rough dwarf virus)*	I	*Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum), *Hordeum vulgare* (barli, barley), *Lolium perenne* (perennial ryegrass), *Zea mays* subsp. *mays* (jagung manis, sweetcorn) *Triticum aestivum* (gandum, wheat), *Avena sativa* (oat, oats), *Cynodon dactylon* (rumput bermuda, bermuda grass), *Digitaria sanguinalis* (large crabgrass), *Echinochloa crus-galli* (barnyard grass)	tanaman Vektor: Hemiptera, Delphacidae : *Delphacode s propinqua, Dicranotropi s hamata, Laodelphax striatellus, Javasella pellucida, Ribauto-delphax notabilis, Sogatella vibix*	America: Argentina Asia: China, Iran, Israel, South Korea Europe: Czech, Slovakia, France, Germany, Italy, Norway, Spain, Sweden, Switzerland, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia
66.	*Maize streak mastrevirus* (MSV);(=*Maize mottle virus, Maize streak monogeminivirus, Maize streak geminivirus, Maize streak virus, Sereal African streak virus, Sugarcane streak virus)*	I	*Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum), Poaceae Oat, *Hordeum vulgare* (barli, barley), Secale cereale (rye)	tanaman Vektor: *Hemiptera, Cicadellidae : Cicadulina mbila, C.arachidis, C. bipunctella, C. triangula, C. bimaculata,*	Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central Africa, RD.Congo, Congo, Ivory Coast, Egypt, Ethiopia, Gabon, Ghana, Guinea, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Niger, Nigeria, Rwanda, Réunion, Sao Tome & Principe, Senegal, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Togo,

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			C. similis, *C. latens*, *C.ghauri*, *C.parazeae*. *Nesoclutha declivata*	Uganda, Zambia, Zimbabwe America: USA Asia: India, Yemen,	
67.	*Maize stripe tenuivirus* (MSpV);(= *Maize chlorotic stripe virus*, *Maize stripe virus*, *Sorghum chlorosis virus*)	I	*Zea mays* (jagung, corn), *Sorghum bicolor* (sorgum, sorghum) *Avena sativa* (oat, oats), *Hordeum vulgare* (barli, barley), *Oryza sativa* (padi, paddy), *Triticum aestivum* (gandum, wheat), *Saccharum officinarum* (tebu, sugarcane), Secale cereale (rye)	tanaman Vektor: Hemiptera, Delphacidae : *Peregrinus maidis*	Africa: Benin, Botswana, Cameroon, RD.Congo, Egypt, Kenya, Madagascar, Mauritius, Mozambique, Nigeria, Réunion, Sao Tome & Principe, South Africa, Swaziland, Tanzania, Uganda, Zimbabwe America: Argentina, Brazil, Costa Rica, Guadeloupe, Peru, Puerto Rico, USA, Venezuela Asia: China, Taiwan, India, Philippines Oceania: Australia
68.	*Maize white line mosaic virus* (MWLMV);(= *Maize dwarf ringspot virus*, *Maize white line virus*)	I	*Zea mays* (jagung, corn)	tanaman	America: USA Europe: France, Italy
69.	*Orchid fleck rhabdovirus* (OFV);(=*Dendrobium leaf streak virus*, *Dendrobium virus*, *Laelia red leafspot*, *Short orchid rhabdovirus*, *Orchid rhabdovirus*, *Orchid fleck virus*,	I	Orchidaceae	tanaman	America: Brazil, USA Asia: Japan Europe: Germany Oceania: Australia, New Zealand

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	Phalaenopsis chlorotic spot virus, Phalaenopsis hybrid virus, Phalaenopsis virus)					
70.	*Papaya mosaic potexvirus* (PapMV);(= *Argentine plantago potexvirus, Argentine plantago virus, Australian alternanthera potexvirus, Babaco yellow mosaic virus, Boussingaultia mosaic virus, Olive vein yellow virus, Papaya mild mosaic virus, Papaya mosaic virus, Pawpaw mild mosaic virus, Pawpaw mosaic virus, Portulaca virus, Salvia potexvirus, Trichosanthes virus, Ullucus potexvirus)*	I	*Carica papaya* (papaya, papaw)	daun, bibit tanaman, akar, batang, daun, bunga, buah	Africa: Tanzania America: Dominica, Trinidad and Tobago, USA, Brazil, Venezuela Oceania: Guam	
71.	*Papaya necrosis virus*;(=*Papaya droopy necrosis virus* (PDNV), *Papaya apical necrosis virus* (PANV))	I	*Caricapapaya* (papaya, papaw)	tanaman	America: USA	
72.	*Passion fruit woodiness virus* (PWV);(=*Passionfruit woodiness potyvirus)*	I	*Arachis hypogaea (peanut), Glycine max (soyabean), Passiflora edulis (markisa, passionfruit), Passiflora suberosa (Corky passionflower), Phaseolus vulgaris (common bean) Passiflora foetida (red fruit passion flower, Nicotiana tabacum (tobacco)*	tanaman	Africa: South Africa, America: Martinique, Brazil, Ceara, Goias, Asia: Japan, Oceania: Australia, Queensland, New Zealand, Samoa	

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73.	*Pea enation mosaic 1 enamovirus* (PEMV-1);(= *Pea enation mosaic virus-1, Pea enation mosaic virus, Pea enation mosaic virus 'group', Pea virus 1)*	I	*Vicia faba Cicer arietinum, Lathyrus odoratus, Lens culinaris, Medicago arabica, Pisum sativum, Trifolium incarnatum, Vicia sativa*	biji, tanaman Vektor: Hemiptera, Aphididae: *Acyrthosiph on pisum, Myzus persicae*	America: USA, Canada Asia: China, Iran Europe: Austria, Czech, Slovakia, Germany, UK
74.	*Pea seed-borne mosaic virus* (PSbMV);(=*Pea leaf-roll virus, Pea seed-borne mosaic virus)*	I	*Lens culinaris ssp. culinaris (lentil), Pisum sativum (green pea, pea) Vicia faba (broad bean)*	daun, tanaman	Africa: Algeria, Egypt, Ethiopia, Libya, Morocco, Sudan, Tunisia America: Brazil, Canada, Peru, USA Asia: India, Iran, Japan, Jordan, Lebanon, Nepal, Pakistan, Syria, Taiwan, Yemen Europe : Belgium, Czechia, Denmark, France, Germany, Netherlands, Poland, Serbia, Slovakia, Switzerland, Turkey, United Kingdom Oceania: Australia, New Zealand
75.	*Pea streak carlavirus*(PeSV); (= *Alfalfa latent virus, Pea streak virus, Steinklee virus, Pea streak virus)*	I	*Pisum sativum* (kapri, sweet pea), Leguminosae, *Medicago sativa, Cicer arietinum*	tanaman	America: Canada, USA Europe: widespread

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76.	*Peach latent mosaic pelamoviroid*(PLMVd); (=*Peach latent mosaic viroid; Prunus virus 5; Peach yellow mosaic viroid; Peach yellow mosaic; Peach blotch; Peach virus 6; Peach American mosaic disease; Peach American mosaic pathogen; Peach mosaic; Peach calico)*	I	*Prunus persica* (peach) *Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus domestica* (plum)	buah, polong, bunga, daun, batang, tanaman.	Africa: Algeria, Egypt, Morocco, South Africa, Tunisia America: Canada, Mexico, USA, Uruguay Asia: China, Japan, Lebanon, Syria Europe: Austria, Bosnia and Herzegovina, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Greece, Italy, Romania, Montenegro, Spain Oceania: Australia
77.	*Peach rosette mosaic nepovirus* (PRMV);(=*Grape decline virus, Grapevine degeneration virus, Peach rosette mosaic virus, Rosette mosaic virus)*	I	*Vitis vinifera* (anggur, grapevine), *Prunus persica Vaccinium corymbosum, Rumex crispus, Solanum carolinense, Taraxacum officinale*	biji, batang, daun, buah, suluran (stolon), tanah, media tanam	Africa: Egypt America: Canada, USA Asia: India, Turkey
				Vektor: Dorylaimida e, Longidoridae: *Xiphinema americanum*, *Longidorus diadecturus*	

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78.	*Peanut chlorotic streak caulimovirus* (PCSV);(=*Peanut chlorotic streak virus, Peanut chlorotic streak soymovirus)*	I	*Arachys hypogaea* (kacang tanah, peanut) *Canavalia ensiformis, Cyamopsis tetragonoloba, Glycine max, Vigna unguiculata (*kacang tunggak, cowpea*), Spinacia oleracea, Vicia faba(*kacang babi, broad bean), *Vigna radiata,*	tanaman	Asia: India
79.	*Peanut clump pecluvirus* (PCV);(= *Peanut clump furovirus, Peanut clump virus, Indian peanut clump virus* (IPCV))	I	*Arachys hypogaea* (kacang tanah, peanut), *Saccharum officinarum* (tebu, sugarcane), *Triticum aestivum* (gandum, wheat), *Setaria Italyca* (foxtail millet)	biji, tanaman Vektor: *Protozoa, Plasmodiophoraceae: Polymyxa graminis*	Africa: Burkina Faso, Ivory Coast, Senegal Asia: India, Pakistan
80.	*Peanut stunt cucumovirus* (PSV);(= *Black locust true mosaic virus, Clover blotch virus, Groundnut stunt virus, Peanut common mosaic virus, Peanut stunt virus, Robinia mosaic virus)*	I	*Arachys hypogaea* (kacang tanah, peanut), *Glycine max* (kedelai, soybean), *Solanum lycopersicum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), pea, *Phaseolus vulgaris (*buncis, common bean*), Vigna unguiculata (*kacang tunggak, cowpea*)*	biji, tanaman Vektor: Hemiptera, Aphididae: *Aphis craccivora, A. spiraecola, Myzus persicae*	Africa: Morocco, Sudan America: USA Asia: China, Japan, Korea Europe: France, Hungary, Italy, Poland, Spain, Georgia

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81.	*Pepino mosaic virus* (PepMV);(=*Pepino mosaic potexvirus)*	I	*Solanum lycopersicum* (tomat), *Solanum muricatum*, *Ocimum basilicum*, *Amaranthus graecizans*, *Amaranthus retroflexus*, *Amaranthus viridis*, *Calendula arvensis*, *Chenopodium murale*, *Chrysanthemum segetum*, *Convolvulus arvensis*, *Convolvulus humilis*, *Malva neglecta*, *Malva nicaeensis*, *Malva parviflora*, *Malva sylvestris*, *Plantago lagopus*, *Plantago major*, *Solanum nigrum*, *Sonchus asper*, *Sonchus oleraceus*, *Sonchus tenerrimus*, *Lens culinaris* (lentil)	buah, polong, daun.	Africa: South Africa, America: Canada, Chile, Ecuador, Mexico, Peru, USA Asia: Syria Europe: Austria, Belgium, Bulgaria, Cyprus, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Poland, Spain, Switzerland, Turkey, United Kingdom
82.	*Plum pox potyvirus* (PPV); (=*Plum pox virus; Prunus virus 7; Annulus pruni; Sharka virus)*	I	*Prunus armeniaca* (apricot), *Prunus domestica* (plum), *Prunus dulcis* (almond), *Prunus persica* (peach), *Prunus salicina* (Japanese plum) *Juglans regia* (walnut), *Prunus avium* (sweet cherry), *Prunus besseyi* (bessey cherry), *Prunus cerasifera* (myrobalan plum), *Prunus spinosa*	buah, polong, daun, batang, akar, biji, bibit.	Africa: Egypt America: Canada, USA, Argentina, Chile Asia: India, Iran, Jordan, Kazakhstan, Syria, Turkey Europe: Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Italy, Lithuania, Luxembourg, Moldova, Netherlands,

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		(blackthorn), *Prunus tomentosa* (Nanking cherry tree) (Wild hosts): *Prunus glandulosa* (flowering almond), *Prunus japonica* (Japanese bush cherry tree), *Prunus serotina* (black cherry)			Norway, Poland, Portugal, Romania, Russia, Serbia and Montenegro, Slovakia, Slovenia, Spain, Ukraine, UK
83.	*Potato black ringspot nepovirus* (PBRSV);(=*Andean potato calico strain of tobacco ringspot virus, Andean potato calico strains nepovirus, Potato black ringspot virus, Potato calico strain of tobacco ringspot virus*)	I	*Solanum tuberosum* (kentang, potato) *Arracacia xanthorrhiza, Oxalis tuberose*	umbi, tanaman	America: Peru
84.	*Potato mop-top pomovirus* (PMTV); (= *Potato mop-top furovirus, Potato mop-top virus)*	I	*Solanum tuberosum* (kentang, potato)	umbi, tanaman	America: Bolivia, Canada, Chile, Peru, USA
				Vektor:*Protozoa, Plasmodiophoraceae: Spongospora subterranea*	Asia: China: Taiwan, Israel, Japan, Pakistan Europe: Czech, Slovakia, Denmark, Estonia, Finland, Germany, Ireland, Netherlands, Norway, Sweden, UK
85.	*Potato spindle tuber pospiviroid* (PSTVd);(= *Potato spindle viroid, Spindle tuber viroid, Potato gothic virus, Tomato bunchy top viroid)*	I	*Solanum tuberosum* (kentang, potato), *Solanum lycopersicum* (tomat, tomato), *Persea americana* (alpokat, avocado) *Beta vulgaris* var	biji, umbi (tuber), polen, tanaman	Africa: Egypt, Nigeria, Argentina America: Canada, Chile, Costa Rica, Peru, USA, Venezuela
				Vektor:Hem	Asia: Afghanistan, China,

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		saccharifera (bit gula, sugar beet)	iptera, Aphididae: *Macrosiphum euphorbiae, Myzus persicae*	India Europe: Belarus, Germany, Poland, Russia (Southern Russia), Ukraine Oceania: Australia, New Zealand		
86.	*Potato T trichovirus* (PVT);(=*Potato T capillovirus, Potato virus T)*	I	*Solanum tuberosum* (kentang, potato) S: *Oxalis tuberosa, Ullucus tuberosus*	umbi, biji, tanaman	America: Bolivia, Peru, Uruguay	
87.	*Potato U nepovirus*(PVU);(=*Potato virus U)*	I	*Solanum tuberosum* (kentang, potato), *Nicotiana tabacum* (tembakau, tobacco), Beta vulgaris (bit, beetroot), *Cucumis sativus* (mentimun, cucumber), *Solanum lycopersicum* (tomat, tomato)	umbi, biji	America: Peru	
88.	*Potato yellow dwarf virus* (PYDV);(=*Potato yellow dwarf rhabdovirus, Potato yellow dwarf nucleorhabdovirus)*	I	*Solanum tuberosum (potato)* *Mirabilis jalapa, Nicotiana alata, Tagetes erecta, Zinnia elegans,* Solanaceae, *Solanum, Apocynoideae,* Asteraceae, Brassicaceae, *Lamioideae, Nicotiana clevelandii, Nicotiana debneyi, Nicotiana glauca, Nicotiana rustica, Nicotiana tabacum,* Polygalaceae, Scrophulariaceae, *Catharanthus roseus (Pink*	Vektor:oryla imidae, Longidorida e: *Longidoruss* p. umbi (bulbs/ tubers/ corms/ rhizomes)	America: Canada, USA		

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			periwinkle), Lycopersicon esculentum (tomato), Mirabilis jalapa (marvel of Peru), Nicotiana alata (sweet-scented tobacco), Tagetes erecta (African marigold), Zinnia elegans (zinnia), Anthemis cotula (dog fennel), Brassica nigra (black mustard), Erysimum cheiranthoides (Treacle mustard), Lepidium campestre (Field cress), Lepidium virginicum (Virginian peppercress), Verbascum thapsus (Aaron's-rod)		
89.	*Potato yellow dwarf virus* (PYDV);Nucleorhabdovirus; (=*Potato yellow dwarf nucleorhabdovirus; Potato yellow dwarf rhabdovirus, Yellow dwarf of potato)*	I	*Solanum tuberosum* (potato) *Catharanthus roseus* (Pink periwinkle), *Lycopersicon esculentum* (tomato), *Mirabilis jalapa* (marvel of Peru), *Nicotiana alata* (sweet-scented tobacco), *Tagetes erecta* (African marigold), *Zinnia elegans* (zinnia) (Wild hosts): *Anthemis cotula* (dog fennel), *Brassica nigra* (black mustard), *Erysimum*	umbi (tubers, bulbs), tunas, daun, akar, batang, organ vegetatif, tanaman	America: Canada, USA

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			cheiranthoides (Treacle mustard), *Lepidium campestre* (Field cress), *Lepidium virginicum* (n peppercress), *Verbascum thapsus* (Aaron's-rod)			
90.	*Potato yellow vein crinivirus* (PYVV); (= *Potato yellow vein virus, Potato vein-yellowing disease, Potato yellow vein disease)*	I	*Solanum tuberosum* (kentang, potato)	umbi, tanaman	Vektor:Hemiptera, Aleyrodidae: *Trialeurodes vaporariorum*	America: Colombia, Ecuador, Peru, Venezuela
91.	*Prunus necrotic ringspot ilarvirus* (PNRSV);(= *Rose line pattern virus, European plum line pattern virus, Hop B virus, Hop C virus, Peach ringspot virus, Plum line pattern virus, Prunus ringspot virus, Prunus necrotic ringspot ilarvirus, Red currant necrotic ringspot virus, Rose chlorotic mottle virus, Rose vein banding virus, Rose yellow vein mosaic virus, Sour cherry necrotic ringspot virus)*	I	*Prunus persica, Prunus cerasus, Prunus persica, Rosa* spp. (mawar, rose), *Prunus domesticum* (plam, plum), *Prunus dulcis* (almon, almond), *Humulus, Cucumis sativus* (ketimun, cucumber)	biji, polen, batang, tanaman		Africa: Algeria, Egypt, Morocco, South Africa, Tunisia, America: Argentina, Brazil, Canada, Chile, Mexico, USA, Uruguay, Asia: Afghanistan, China, China, India, Iran, Israel, Japan, Jordan, Lebanon, Saudi Arabia, Syria, Europe: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Latvia, Malta, Moldova,

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					Montenegro, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Sweden, Turkey, Ukraine, United Kingdom, Oceania: Australia, Fiji, New Zealand
92.	*Radish enation mosaic virus* (RaMV);(=*Radish mosaic virus, Radish mosaic comovirus)*	I	*Brassica napus var. napus (rape), Brassica oleracea (cabbages, cauliflowers), Brassica rapa. oleifera (turnip rape), Raphanus sativus (lobak, radish) Brassica napus var. napobrassica (swede), Eruca vesicaria (purple-vein rocket)*	tanaman	Aftica: Morocco America: USA Asia: India, Japan, Europe: Austria, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, Slovenia, Macedonia, Croatia, Serbia, Montenegro, Kosovo, Bosnia, Germany, Hungary, Italy,
93.	*Raspberry ringspot nepovirus*(RpRSV);(= Raspberry ringspot virus, *Raspberry Scottish leaf curl virus, Red currant ringspot virus, Red currant ringspot virus)*	I	*Rubus* spp. (raspberry), *Fragaria vesca* (arbei, strawberry), *Prunus cerrasus* (ceri, cherry), *Vitis vinifera* (anggur, grapevine), *Prunus cerrasus* (ceri, cherry), *Prunus domesticum* (plum, plum), *Prunus americana* (aprikot, apricot), *Prunus persica* (persik, peach), *Fragaria vesca* (arbei,	biji, pollen, tanaman Vektor: orylaimidae, Longidorida e: *Longidorus elongatus, L. macrosoma*	Asia: Kazakhstan, Turkey, Siberia Europe: Albania, Belarus, Belgium, Bulgaria, Czech Republic, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Luxembourg, Netherlands, Norway, Portugal, Russia, Serbia, Switzerland, Turkey, United Kingdom

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		strawberry)*Ligustrum vulgare, Narsisus pseudonar cissus, Ribes, Weigela Daphne, Forsythia, Phlox, Cynara scolymus*			
94.	*Red clover vein mosaic virus* (RCVMV);(=*Red clover vein mosaic carlavirus, Clover (red) vein mosaic virus. Marmor trifolii, pea stunt virus)*	I	*Medicago sativa (alfalva, lucerne), Trifolium pratense (purple clover) Cicer arietinum (chickpea), Phaseolus vulgaris (common bean), Pisum sativum (pea), Trifolium repens (white clover)*	tanaman	America: USA, Europe: Germany, Lithuania, Netherlands,
95.	*Rice black-streaked dwarf fijivirus* (RBSDV);(=*Rice black streak virus; Rice streak dwarf virus; Black streaked dwarf disease)*	I	*Avena sativa* (oat, oats), *Hordeum vulgare* (barley), *Oryza sativa* (padi, *paddy), Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn) *Beckmannia syzigachne* (american sloughgrass), *Eleusine coracana* (finger millet), *Festuca arundinacea* (reed fescue), *Lolium multiflorum* (Italian ryegrass), *Lolium perenne* (perennial ryegrass), *Panicum miliaceum* (millet), *Phleum pratense* (timothy), *Poa annua* (annual meadowgrass), *Secale*	biji, akar, batang, daun, bunga, buah	America: Argentina Asia: China, Japan, Korea

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		cereale (rye), *Setaria italica* (foxtail millet), *Sorghum bicolor* (sorghum), *Triticum* (wheat)				
96.	*Rice dwarf phytoreovirus*(RDV); (= *Rice mosaic virus, Rice dwarf virus, Rice stunt, Oryza virus 1)*	I	*Oryza sativa* (padi, paddy)	tanaman	Vektor: Hemiptera, Cicadellidae : *Nephotettix cincticeps, N. nigropictus, Nephotettix* spp., *Recilia dorsalis*	Asia: China, India, Japan, Korea, Nepal, Philippines, Vietnam Europe: Bulgaria
97.	*Rice hoja blanca tenuivirus* (RHBV); (= *Echinochloa hoja blanca virus, Rice hoja blanca virus)*	I	*Oryza sativa* (padi, paddy), *Triticum aestivum* (gandum, wheat), *Avena sativa* (oat, oats) *Hordeum vulgare* (barli, barley), Secale cereale (rye)	tanaman	Vektor: Hemiptera, Delphacidae : *Tagosodes oryzicolus*	America: Argentina, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela
98.	*Rice stripe tenuivirus* (RSV);(= *Rice stripe virus)*	I	*Oryza sativa* (padi, paddy) *Zea mays* (jagung, corn), *Triticum aestivum* (gandum, wheat), *Avena sativa* (oat, oats), *Hordeum vulgare* (barli, barley), *Secale cereale* (rye),	tanaman, biji (kontamination)	Vektor:*Hemiptera,*	Asia: Siberia, China, Japan, Korea Europe: Russia

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		Panicum miliaceum (rumput-rumputan)	*Delphacidae*: *Laodelphax striatellus*, *Terthron albovittatum*, *Unkanodes sapporona*, *U. albifascia*		
99.	*Rice yellow mottle sobemovirus* (RYMV);(= *Rice yellow mottle virus)*	I	*Oryza sativa* (padi, paddy)	tanaman	Africa: Burkina Faso, Cameroon, Chad, Ivory Coast, Gambia, Ghana, Guinea-Bissau, Guinea, Kenya, Liberia, Madagascar, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Tanzania: Zanzibar, Zimbabwe
100.	*Rice yellow stunt nucleorhabdovirus* (RTYV);(=*Rice yellow stunt virus, Rice transitory yellowing*	I	*Oryza sativa* (padi, paddy)	tanaman Vektor: Coleoptera, Chrysomelidae: *Sesselia pusilla*, *Chaetocnema* spp., *Dactylispa* spp., *Dicladisa viridicyanea*, *Trichispa sericea*, Chrysomelidae lain Vektor:Hemiptera,	Asia: China, Japan, Lao, Taiwan, Thailand, Vietnam,

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	virus, Rice transitory yellowing rhabdovirus)				
101.	*Rose wilt agent;(=Rose wilt disease, Rose leaf curl, Rose stunt, Rose dieback, Rose little leaf, Rose spring dwarf)*	I	*Rosa* spp. (mawar, rose)	Cicadellidae : *Nephotettix cincticeps, N. nigropictus, N. virescens*	Africa: South Africa America: USA Oceania: Australia, New Zealand
102.	*Satsuma dwarf nepovirus*(SDV);(= *Citrus mosaic virus, Natsudaidai dwarf virus, Navel orange infectious mottling virus, Citrus satsuma dwarf nepovirus, Citrus (navel orange) infectious mottling virus, Satsuma dwarf virus, Satsuma dwarf sadwavirus)*	I	*Citrus* spp.(jeruk, orange)	mata tunas, biji, tanaman	Asia: China, Iran, Japan, Korea, Turkey
103.	*Southern bean mosaic virus* (SBMV);(= *Southern bean mosaic sobemovirus, Bean southern mosaic virus, Southern bean mosaic virus 1, Bean mosaic virus 4, Marmor laesiofaciens, Phaseolusvirus laedens)*	I	*Phaseolus vulgaris (common bean), Vigna mungo (black gram), Vigna unguiculata (cowpea) Glycine max (soyabean)*	bibit, daun, biji.	Africa: Benin, ivory coast, Ghana, Morocco, Nigeria, Senegal, Togo, America: Costa Rica, Nicaragua, Mexico, USA, Brazil, Colombia, Venezuela, Asia: China, India, Pakistan, Europe: Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, France,

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104.	*Strawberry crinkle rhabdovirus* (SCrV);(= *Strawberry crinkle virus, Strawberry latent virus A, Strawberry crinkle cytorhabdovirus, Strawberry latent virus B, Strawberry latent A (mild form), Strawberry latent A, strawberry latent B, Strawberry lesion A, Strawberry lesion B, Strawberry vein chlorosis)*	I	*Fragaria ananassa* Fragaria sp. (strawberry)	bunga, buah, bibit tanaman	Africa: South Africa America: Canada, Mexico, USA, Brazil, Chile Asia: China, Israel, Japan, Kazakhstan, Korea Europe: Belgium, Bulgaria, Czech, France, Germany, Italy, Netherlands, Poland, Serbia-Montenegro, Slovakia, UK, Scotland Oceania: Australia, Fiji, New Zealand
105.	*Strawberry latent C rhabdovirus* (STLCV);(= *Strawberry latent C virus)*	I	*Fragaria ananassa, Fragaria vesca* (arbei, strawberry) Fragaria sp.	suluran (stolon)	America: Canada, USA Asia: Japan
				Vektor: Hemiptera, Aphididae: *Chaetosiphon fragaefolii*	
106.	*Strawberry latent ringspot nepovirus*(SLRSV); (= *Aesculus line pattern virus, Rhubarb virus 5, Strawberry latent ring spot virus, Strawberry latent ringspot sadwavirus)*	I	*Apium graveolens, Asparagus officinalis* (asparagus, asparagus), *Fragaria vesca* (arbei, strawberry), *Lilium, Narsisus, Prunus americana* (aprikot, apricot), *Prunus avium, Prunus domesticum* (plam, plum), *Prunus persica* (persik, peach), Rheum hybridum, *Ribes nigrum,*	biji, tanaman	America: USA Asia: Turkey Europe: Belgium, Czech, Finland, France, Germany, Hungary, Ireland, Italy, Luxembourg, Netherlands, Poland, Portugal, Romania, Spain, Switzerland, UK (England, Wales), Northern Ireland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro,
				Vektor: Dorylaimida, Longidoridae: *Xiphinema diversicaudatum, X. coxi,*	

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		R.rubrum, *Rubus fruticosa*, *Trifolium repens*, *Vitis vinifera* (anggur, grapevine). Aesculus, *Humulus lupulus*, *Pastinaca sativa*	*Paralongido rus maximus*	Macedonia Oceania: Australia	
107.	*Strawberry mild yellow edge potexvirus* (SMYEV);(=*Strawberry mild yellow edge disease*; *Strawberry yellow edge*; *Strawberry mild yellow edge virus*; *Strawberry mild yellow edge associated virus*; *Strawberry xanthosis*; *strawberry virus 2)*	I	Fragaria (strawberry), *Fragaria ananassa* (strawberry), *Fragaria chiloensis* (Chilean strawberry), *Fragaria ovalis*, *Fragaria vesca* (wild strawberry), *Fragaria na* (scarlet strawberry (UK))	bunga, buah, bibit tanaman	Africa: South Africa America: Canada, USA, Brazil, Chile, Paraguay Asia: China, Israel, Japan Europe: Belgium, Bulgaria, Czech, France, Germany, Hungary, Ireland, Italy, Netherlands, Poland, Serbia-Montenegro, Slovakia, Switzerland, UK Oceania: Australia, New Zealand
108.	*Strawberry vein banding caulimovirus* (SVBV);(=*Strawberry vein banding virus*; *Strawberry virus 5)*	I	*Fragaria vesca* (wild strawberry), Fragaria (strawberry), *Fragaria ananassa* (strawberry)	daun, bibit tanaman	America: Canada, USA, Brazil, Chile Asia: China, Japan Europe: Czech, Denmark, Germany, Hungary, Ireland, Italy, Norway, Russia, Serbia, Slovakia, UK Oceania: Australia
109.	*Sugarcane bacilliform badnavirus* (SCBV);(=*Sugarcane bacilliform virus)*	I	*Saccharum officinarum* (tebu, sugarcane)	tunas, batang, mata tunas	America: Cuba, Morocco, USA

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110.	*Sugarcane mild mosaic virus* (SCMMV)	I	*Saccharum officinarum* (tebu, sugarcane)	akar, batang, daun, bunga, buah ▪ Vektor: Hemiptera, Pseudococci dae: *Saccharicoc cus sacchari*	Africa: South Africa, Malawi, Madagascar, Mauritius, Chad, Zimbabwe, Tanzania, Zambia America: USA
111.	*Sugarcane yellow leaf luteovirus* (ScYLV);(= *Sugarcane yellow leaf virus)*	I	*Saccharum officinarum* (tebu, sugarcane) *S.robustum, S. sinensis, S.spontaneum*	batang, suluran (stolon), tanaman Vektor:Hem iptera, Aphididae: *Melanaphis sacchari, Rhopalosiph um maidis*	Africa: Morocco, Uganda, Senegal, Kenya, Zambia, Malawi, Zimbabwe, South Africa, Reunion, Mauritius America: USA, Mexico, Cuba, Dominica, Peru, Brazil, Colombia, Argentina, Hawai, Jamaica, Barbados, Guatemala, El Salvador Asia: Iran, India, Thailand Oceania: Australia, Papua New Guinea
112.	*Tobacco necrosis virus* (TNV);(= *Tobacco necrosis necorvirus, Bean stipple steak virus, Cucumber necrosis virus, Tulip necrosis virus, Chenopodium necrosis necrovirus cucumber systemic necrosis virus*	I	*Cucumis sativus (cucumber), Daucus carota (carrot), Phaseolus vulgaris (common bean), Solanum tuberosum (kentang, potato), Tulipa (tulip) Beta vulgaris (beetroot), Cucurbita pepo (ornamental*	daun, akar, umbi, batang, tanaman.	Africa: South Africa Amerika: Canada, USA, Brazil Asia: China, India, Japan, Turkey Europe: Belgium, Czech Republic, Slovakia, Denmark, Finland, France, Germany, Hungary, Italy, Latvia,

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Euonymus mosaic virus strawberry necrotic rosette virus tulip Augusta disease virus)		*gourd), Cyamopsis tetragonoloba (guar), Euonymus europaeus, Fragaria ananassa (strawberry), Lactuca sativa (lettuce), Lycopersicon esculentum (tomato), Malus domestica (apple), Nicotiana tabacum (tobacco), Pelargonium (pelargoniums), Pisum sativum (pea), Prunus domestica (plum), Pyrus communis (European pear), Vitis vinifera (grapevine), Echium plantagineum (Paterson's curse), Solanum nigrum (black nightshade) Fraxinus excelsior (ash), Populus tremuloides (trembling aspen)*		Netherlands, Norway, Romania, Russian Federation, Spain, Sweden, Switzerland, United Kingdom, Oceania: Australia (Queensland), New Zealand
113. *Tobacco rattle virus* (TRV); (=*Aster ringspot virus, Belladonna mosaic virus, Potato stem mottle virus, Peony mosaic virus, Peony ringspot virus, Paeony mosaic virus, Paeony ringspot virus, Potato corky ringspot virus, Ratel virus, Tabakmauche virus, Tabakstreifenund Kra, Spinach yellow mottle virus, Tobacco*	I	*Beta vulgaris* var. *saccharifera* (sugarbeet), *Capsicum annuum* (bell pepper), Freesia, *Gladiolus hybrids* (sword lily), Iris (irises), *Lilium candidum* (madonna lily), *Nicotiana tabacum* (tobacco), *Secale cereale* (rye), *Solanum tuberosum* (potato), Tulipa (tulip)	tunas, daun, batang, bagian vegetatif tanaman.	Africa: Egypt, South Africa, Tunisia America: Cuba, Canada, USA, Bolivia, Brazil Asia: Bangladesh, China, India, Israel, Japan, Korea Republic of (South Korea), Uzbekistan Europe: Austria, Belarus, Belgium, Bulgaria, Czech Republic, Czech Republic and

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rattle tobravirus, Tobacco rattle virus, Tulip white streak virus, Oregon yellow virus, Spinach yellow mottle, Fraxinus virus)		*Allium cepa* (onion), *Allium sativum* (garlic), *Alstroemeria* (Inca lily), *Anemone* (windflower), *Brassica* sp., *Cyclamen*, *Cynara cardunculus* L. var. *scolymus* (globe artichoke), *Fraxinus* (ashes), *Hosta* spp., *Lactuca sativa* (lettuce), *Lilium longiflorum* (Easter lily), Narcissus (daffodil), Peperomia, *Phaseolus vulgaris* (common bean), Phlox, *Phlox paniculata* (summer perennial phlox) (Wild hosts): Amaranthus (grain amaranth), Artemisia (wormwoods), *Artemisia vulgaris* (mugwort), *Capsella bursa-pastoris* (shepherd's purse), *Galium mollugo* (Hedge bedstraw), Malva (mallow), Physalis (Groundcherry), Plantago (Plantain), *Portulaca oleracea* (purslane), Rumex (Dock), *Solanum nigrum* (black nightshade), Sonchus (Sowthistle), *Stellaria media* (common		Slovakia, Denmark, Finland, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Moldova, Netherlands, Norway, Poland, Russia, Sweden, Switzerland, UK Oceania: Australia, New Zealand	

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		chickweed), *Tussilago farfara* (Colt's-foot), *Viola arvensis* (field pansy)			
114. *Tobacco streak ilarvirus* (TSV); (=*Asparagus stunt virus, Asparagusstunt virus, Black raspberry latent ilarvirus, Black raspberry latent virus, Bean red node strain, Black raspberry latent strain, Datura quercina virus, New logan virus, Nicotiana virus 8, Nicotiana virus vulnerans, Strawberry necrotic shock virus, Tractus orae, Tobacco streak virus)*	I	*Vigna unguiculata* (kacang tunggak, cowpea), *Nicotiana tabacum* (tembakau, tobacco), *Solanum lycopersicum* (tomat, tomato), *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), *Glycine max* (kedelai, soybean), *Fragaria*, *Asparagus officinalis* (asparagus, asparagus), *Cynara scolymus*, *Gossypium herbaceum*, *Helianthus annuus* (bunga matahari, sunflower), *Lactuca sativa* (letus, lettuce), *Medicago sativa*, *Vigna unguiculata* (kacang tunggak, cowpea), *Vigna angularis*, *Pisum sativum*, *Rubus* sp. (black raspberry), *Solanum tuberosum* (kentang, potato), *Trifolium pratense* *Carica papaya* (pepaya, pawpaw), *Cichorium endivia*, *Cicer arietinum*, *Cucumis sativus*	buah, bunga, daun, tunas, akar, batang, biji	Africa: South Africa America: Argentina, Brazil, Canada, Mexico, Peru, USA, Venezuela Asia: China, India, Iran, Israel, Japan, Singapore Europe: Denmark, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Netherlands, Norway, Scotland Oceania: Australia, New Zealand	

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		(mentimun, cucumber), *Cyphomandra betacea*, *Dahlia*, *Eustoma grandiflorum*, *Gladiolus* hybrids, *Melilotus alba*, raspberry, *Rubus ursinus*, *Trigonella foenumgraecum*			
115. *Tomato aspermy cucumovirus* (TAV);(= *Chrysanthemum* aspermy virus, *Chrysanthemum* mild mottle virus, Tomato aspermy cucumovirus, *Chrysanthemum* mosaic virus, Cucumis virus 1, Lycopersicon virus 7)	I	*Chrysanthemum*spp. (krisan, chrysant), aster, *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), *Solanum lycopersicum* (tomat, tomato), *Canna* sp., *Lilium* sp., *Mentha spicata*, *Petunia hybrida*, *Zinnia elegans*	biji, tanaman		America: Canada, USA Asia: China, India, Japan, Europe: Estonia, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Poland, Romania Oceania: Australia, New Zealand
116. *Tomato black ring nepovirus* (TBRV); (*Bean ringspot virus; Beet ringspot virus; Lettuce ringspot virus; Potato bouquet virus; Potato pseudo-aucuba virus, Tomato black ring virus)*	I	*Allium cepa* (onion), *Allium porrum* (leek), *Apium graveolens* (celery), *Beta vulgaris* var. *saccharifera* (sugarbeet), *Brassica napus* var. *napobrassica* (swede), *Brassica rapa* subsp. *rapa* (turnip), *Capsicum* (peppers), *Cucumis sativus*	biji, polong, akar, batang, daun, bunga, buah	Vektor: Hemiptera, Aphididae: *Myzus persicae*	America: Chile Asia: India, Japan, Turkey Europe: Albania, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Moldova, Netherlands, Norway, Poland, Romania, Russia, Serbia and Montenegro, Sweden,

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		(cucumber), *Cynara cardunculus* L. var. *scolymus* (globe artichoke), *Fragaria* (strawberry), *Fragaria ananassa* (strawberry), *Gladiolus hybrids* (sword lily), *Lactuca sativa* (lettuce), *Lycopersicon esculentum* (tomato), *Narcissus* (daffodil), *Phaseolus vulgaris* (common bean), *Prunus persica* (peach), Ribes (currants), Rubus (blackberry, raspberry), *Solanum melongena* (aubergine), *Solanum tuberosum* (potato), *Vitis vinifera* (grapevine) *Forsythia intermedia* (Golden bells), *Syringa vulgaris* (lilac) (Wild hosts): *Capsella bursa-pastoris* (shepherd's purse), Herbaceous hosts, *Lamium* amplexicaule (henbit deadnettle), Sambucus nigra (elder)		Switzerland, UK, Scotland
117. *Tomato ringspot nepovirus* (ToRSV);(=*Tomato ringspot virus, Prunus stem pitting virus, Blackberry (Himalaya) mosaic*	I	*Fragaria chiloensis* (Chilean strawberry), *Malus domestica* (apple), *Nicotiana tabacum*	biji, tanaman, akar, batang,		Aftica: Egypt, Togo, Tunisia America: Puerto Rico, Canada, Mexico, USA, Argentina, Chile, Peru,

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virus, Nicotiana 13 virus, Tobacco ringspot virus 2, Peach stem pitting virus, Prune brown line virus, Gravelins yellow vein virus, Red currant mosaic virus, Winter peach mosaic virus, Apple union necrotic nepovirus)		(tobacco), *Pelargonium* (pelargoniums), *Prunus* (stone fruit), *Prunus armeniaca* (apricot), *Prunus avium* (sweet cherry), *Prunus cerasus* (sour cherry), *Prunus domestica* (plum), *Prunus persica* (peach), *Prunus salicina* (Japanese plum), *Ribes* (currants), *Rubbus* (blackberry, Raspberry), *Rubbus idaeus* (raspberry), *Vitis vinifera* (grapevine),	daun, bunga, buah	Venezuela Asia: China, Iran, Japan, Jordan, South Korea, Oman, Pakistan, Turkey Europe: Belarus, Belgium, Bulgarium, Croatia, Czech, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Lithuania, Netherlands, Norway, Portugal, Russia, Serbia, Montenegro, Slovakia, Slovenia, Sweden, UK Oceania: Australia, New Zealand

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B. JENIS-JENIS ORGANISME PENGGANGGU TUMBUHAN KARANTINA(KATEGORI A2)

I. SERANGGA (*INSECTS*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Acanthoscelides obtectus* Say ;(=*Acanthoscelides irresectus* Fåhraeus =*Acanthoscelides tetricus* Gyllenhal =*Bruchidius obsoletus=Bruchidius obtectus* Say =*Bruchus fabae* Riley =*Bruchus irresectus=Bruchus obsoletus* (Say) =*Bruchus obtectus* Say =*Bruchus tetricus* Gyllenhal =*Laria obtectus* Say =*Lara irresectus=Mylabris obtectus* Say); Coleoptera: Bruchidae; bean bruchid, American seed beetle, bean beetle, bean weevil, common bean weevil, dried bean beetle, dried bean weevil	II	*Cajanus cajan* (kacang gude, pigeon pea), Phaseolus (beans), *Phaseolus lunatus*(lima bean), *Phaseolus vulgaris* (buncis, common bean) *Cicer arietinum* (chickpea), *Glycine max* (kedelai, soyabean), *Lathyrus sativus* (grasspea), *Phaseolus acutifolius* (tepary bean), *Phaseolus coccineus* (runner bean), *Pisum sativum* (pea), *Vicia faba* (faba bean), *Vigna unguiculata*(kacang panjang, cowpea), *Zea mays* (jagung, corn)	biji	Indonesia: Jawa, Sulawesi Afrika: Angola,Burundi, Congo DR, Egypt, Kenya, Lesotho, Malawi, Mauritius, Morocco, Nigeria, Rwanda, Reunion, Saint Helena, Senegal, Seychelles, South Africa, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe America:Argentina, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Savador, Guadeloupe, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, USA, Venezuela Asia:Armenia, India,Iraq, Israel, Japan, Kazakhstan, Malaysia, Myanmar, Tajikistan, Thailand, Turkey, Vietnam Eropa: Albania, Austria,

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					Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Finland, France, Georgia, Germany, Greece, Hungary, Italy, Kosovo, Moldova, Montenegro, Macedonia, Netherlands, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Switzerland
2.	*Aleurodicus dugesii*Cockerell; Hemiptera: Aleyrodidae; giant whitefly	II	*Acacia auriculiformis*, *Acacia longifolia*, *Acacia saligna*, *Acalypa hispida*, *Allamanda cathartica*, *Aralia*, *Bambusa*, *Bauhinia galpinii*, Begonia, *Bishofia javanica*, *Bombax* sp., *Bougainvillea variegate*, *Bougainvillea spectabilis*, *Brachychiton* spp., *Buxus japonica*,*Calliandra* sp., *Canna* sp., *Capsicum frutescens* (cabai rawit, chillies), Cinnamomum, Citrus, *Cocos nucifera* (kelapa, coconut), *Codiaeum variegatum*, *Colacasia* (Elephant ear, taro), *Cyperus papyrus* (papyrus), *Dahlia pinnata*, *Erythrina*	buah, batang, daun, tanaman	Zealand, Papua New Guinea Oceania: Australia, New
					Indonesia: Jawa America: USA, Mexico, Costa Rica, El Salvador,Guatemala Asia: Pakistan

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			sp., *Eucalyptus* spp., *Eugenia uniflora*, *Euphorbia pulcherrima*, *Ficus* spp., *Heliconia* sp., *Hibiscus* spp., *Hoya* sp., *Jasmine sambac*, Mandevilla, *Morus alba* (murbei, mulberry), *Mucuna bennetti*, *Murraya paniculata* (kemuning, mock orange), *Musa* spp. (pisang, banana), *Nandina domestica*, *Neomarica longifolia*, *Osteospermum* sp., *Passiflora* sp., *Pelargonium* sp., *Persea americana* (avokad, avocado), *Phaseolus lunatus*, *Philodendron* spp., Plumeria, *Psidium guajava* (jambu biji, guava), *Ricinus communis* (jarak kepyar, castor oil bean), *Secium edule*, *Solanum* sp.	batang,daun, bunga, buah	Indonesia: Sulawesi
3.	*Altha alastor*Fams.; Lepidoptera: Limacadidae; ulat siput/slug caterpillar, the moth of borneo	II	*Cocos nucifera* (kelapa, coconut) dan Palmae lainnya, Bombax (Bombacaceae)	batang, daun, buah		
4.	*Amblypelta theobroma*Brown; Hemiptera: Coreidae; coconut bug	II	*Cocos nucifera* (kelapa, coconut), *Theobroma cacao* (kakao, cocoa)	batang	Indonesia: Papua Oceania: Papua New Guinea	
5.	*Atherigona soccata*Rond.; (=*Atherigona indica* =*A. indica* ssp. *influscata*=*A. varia* var.	II	*Sorghum bicolor* (sorgum, sorghum) *Brachiaria reptans*	batang	Indonesia: Maluku Africa: Burkina Faso, Congo Democratic Republic, Egypt,	

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soccata); Diptera: Muscidae; Sorghum shoot (stem) fly, great fly, millet stem fly, millet stem maggot		(sprawling panicum), *Cymbopogon citratus* (serai wangi, citronella grass), *Cymbopogon ceasius*, *Cynodon dactylon* (bermuda grass), *Desmostachya bipinnata* (halfa grass), *Digitaria sanguinalis* (large crabgrass), *Echinochloa colona* (junglerice), *Echinochloa crus-galli* (barnyard grass), *Eleusine coracana* (jaba, finger's millet), *Eleusine indica* (goose grass), *Eragrostis japonica* (delicate lovegrass), *Eriochloa procera* (tropical cupgrass), *Megathyrsus maximus* (Guinea grass), *Panicum antidotale* (elbow grass), *Panicum miliaceum* (millet), *Panicum repens* (torpedo grass), *Paspalum scrobiculatum* (ricegrass paspalum), *Pennisetum glaucum* (bajra, pearl millet), Pennisetum (feather grass), *Rottboellia cochinchinensis* (itch grass), *Setaria intermedia*, *Setaria pumila* (yellow foxtail), *Setaria verticillata* (bristly foxtail),		Ghana, Kenya, Madagascar, Malawi, Mauritius, Morocco, Nigeria, Réunion, South Africa, Sudan, Tanzania, Uganda, Zimbabwe. Asia: Bangladesh, China, India, Iraq, Israel, Myanmar, Nepal, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Thailand, Turkey, Vietnam. Europe: Italy.	

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			Sorghum arundinaceum, *Sorghum halepense* (Johnson grass), *Sorghum propinquum*, *Sorghum purpureosericeum*, *Triticum aestivum* (gandum, wheat), *Urochloa brizantha* (palisadegrass), *Urochloa distachya*, *Zea mays* (jagung, corn), *Brachiaria brizantha*, *Oryza sativa* (padi, paddy)		
6.	*Bactrocera bryoniae*Tryon; (=*Chaetodacus bryoniae*); Diptera: Tephritidae; fruit fly	II	*Mangifera indica* (mangga, mango), *Passiflora quadrangularis* (markisa, granadilla, passion-fruit), *Bryonopsis affinis*, *Musa* spp. (pisang, banana), *Capsicum frutescens* (cabai rawit, chilies)	buah, media tanam, tanah		Indonesia:Bali, Kalimantan, Papua, Maluku Utara. Oceania: Australia, French Polynesia, New Caledonia.
7.	*Bactrocera musae*Tryon.; (=*Chaetodacus musae* =*C. tryoni* var. *musae* =*Dacus musae=Strumeta musae*); Diptera: Tephritidae; banana fruit fly	II	*Musa* spp. (pisang, banana), *Carica papaya* (pepaya, pawpaw, papaya), *Psidium guajava* (jambu biji (seed), guava)	buah, media tanam, tanah		Indonesia: Kalimantan, Sulawesi, Maluku, Papua, Jawa (Barat) Asia: Philippines. Oceania: Australia, Papua New Guinea, Bismarck, Solomon Islands.
8.	*Bactrocera occipitalis* Bezzi; (=*Dacus occipitalis* = *Dacus dorsalis* var. *occipitalis* =*Chaetodacus occipitalis* Bezzi = *Chaetodacus ferrugineus* var.	II	*Averrhoa carambola* (belimbing, carambola, star fruit), *Citrus reticulata* (jeruk mandarin, mandarin, tangerine, mandarin orange),	buah		Indonesia:Bali, Kepulauan Riau, Kalimantan (Barat, Tengah, Timur, Selatan), Maluku Utara, NTB, Sulawesi (Barat, Tenggara, Selatan)

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		occipitalis Bezzi =*Strumeta pedestris* var. *occipitalis*); Diptera: Tephritidae	*Mangifera indica* (mangga, mango), *Achras* (=*Manilkara*) *zapota* (sawo, sapodilla), *Psidium guajava* (jambu biji, guava), *Spondias purpurea* (plum, red mombin)		Asia: Brunei Darussalam, Malaysia, Philippines.
9.	*Bemisia argentifolii*Gennadius; (=*B. tabaci- biotype*); Hemiptera: Aleyrodidae; silverleaf white fly, sweet potato white fly B-biotype,	II	*Gossypium hirsutum* (kapas, cotton), *Solanumlycopersicum*(tomat, tomato), Fabaceae, Brassicaceae, *Carica papaya* (pepaya, pawpaw, papaya), *Capsicum annuum* (cabai besar, paprika, bell-pepper, hot pepper, chilies), *Euphorbia pulcherrima*, *Lactuca sativa* (salada, lettuce), *Nicotiana tabacum* (tembakau, tobacco), *Solanum melongena* (terung, aubergine, eggplant) Brassicaceae, Fagaceae, Geraniaceae, Lauraceae, Myrtaceae, Oleaceae, Passifloraceae, Rosaceae, Rubiaceae, Solanaceae, *Acer*, *Amaranthus*, *Mentha*, Bombacaceae.	batang, daun, buah, bunga	Indonesia: Jawa Africa:Egypt, Mauritius, South Africa, Tunisia. America: Antigua and Barbuda, Belize, Brazil, Canada, Colombia, Costa Rica, Cuba, Dominican Republic, Grenada, Guadeloupe, Guatemala,Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Puerto Rico, Saint Kitts and Nevis, Trinidad and Tobago, USA, Hawaii, Venezuela. Asia: China, Taiwan, Iran, Israel, Japan, Jordan, Korea Republic of (South Korea), Turkey, Yemen. Europe: Austria, Cyprus, France, Italy, Netherlands, Norway, Poland, Portugal, Spain, Canary Islands, UK Oceania: American Samoa, Australia, Cook Islands, Fiji, French Polynesia, Guam,

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					Marshall Islands, New Caledonia, New Zealand, Niue, Northern Mariana Islands.
10.	*Chaetanaphothrips orchidii*Moulton; (=*Anaphothrips orchidii* =*Euthrips orchidii* =*Physothrips orchidii* =*Taeniothrips orchidii*); Thysanoptera: Thripidae; anthurium thrips, orchid thrips	II	*Anthurium andreanum*, *Alternanthera*(joyweed), *Bougainvillea*, *Chrysanthemum*(daisy), *Musa* spp. (pisang, banana), *Petroselinum crispum*(peterseli, parsley), *Zea mays* (jagung, corn) *Acer palmatum*, *Adiantum*(japanese maple), *Adiantum* (maidenhair ferns), Allium (onions, garlic, leek, etc), *Amaranthus*(grain amaranth), *Begonia*, *Citrus reticulataxparadisi* (tangelo), Citrus sinensis (navel orange), *Citrus x paradisi* (jeruk bali, pommel, grapefruit), *Citrus* spp. (jeruk, orange), *Coix lacryma-jobi* (jail, Job's tears), *Cryptotaenia canadensis*, *Euphorbia*(spurges), *Epiphyllum*, *Ipomoea batatas* (ubi jalar, sweetpotato), *Iresine*(blood-leaf), *Litchi sinensis* (leci, lychee),	batang, daun, bunga, tanah	Indonesia: Jawa Africa: Mauritius, Sao Tome and Principe. America:Argentina, Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, Grenada, Guadeloupe, Honduras, Jamaica, Mexico, Puerto Rico, Saint Lucia, Suriname, Trinidad and Tobago, USA, Hawaii. Asia: China, Taiwan, India, Japan, Malaysia, Nepal, Sri Lanka. Europe: Italy, Poland Oceania: Australia, Tonga.	

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		Lycopersicon, *Passiflora*(passion flower), *Paspatum conjugatum*(sour paspalum), Piper(pepper), *Pisonia*, Orchid, ornamental plants			
11.	*Chrysomphalus aonidum* L; (=*Aonidiella ficorum* =*Aspidiotus (Chrysomphalus) aonidum=A.(Chrysomphalus) ficus* =*A.aonidum* =*A. ficorum* =*Aspidiotus ficus* =*Coccus aonidum*); Hemiptera: Diaspididae; red scale, Sircular black scale	II	*Citrus* spp. (jeruk, orange), *Citrus aurantiifolia* (lime), *Citrus limon* (lemon), *Citrus maxima* (pummelo), *Citrus sinensis* (navel orange), *Citrus x paradisi* (grapefruit) *Asparagus officinalis* (asparaga, asparagus), *Carica papaya* (pepaya, pawpaw, papaya), *Camelia sinensis* (teh, tea), *Cinnamomum verum*(cinnamon), *Cocos nucifera* (kelapa, coconut), *Dracaena*, Dracaena reflexa, *Gossypium hirsutum* (kapas, cotton), Lauraceae,Palmaceae, *Malus domestica* (apel, apple), *Mangifera indica* (mangga, mango), *Musa* spp. (pisang, banana), *Musa x paradisiaca* (plantain), *Phoenix dactylifera* (kurma, date-palm), *Pinus merkusii* (pinus, pinetree), Pinus (pines)	batang, daun, buah	Indonesia: Jawa, Sulawesi, Sumatera. Africa: Algeria, Burundi, Comoros, Egypt, Ethiopia, Guinea, Kenya, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Nigeria, Réunion, Senegal, Seychelles, South Africa, Sudan, Tanzania,Tunisia, Uganda, Zambia, Zimbabwe. America: Argentina, Barbados, Bermuda, Brazil, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, French Guiana, Guadeloupe, Guatemala, Guyana,Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Panama, Paraguay, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA,

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			United States Virgin Islands, Hawaii, Uruguay, Venezuela Asia: Bhutan, British Indian Ocean Territory, China, India, Iran, Iraq, Israel, Japan, Jordan, Korea DPR (North Korea), Korea Republic of (South Korea), Lebanon, Malaysia, Myanmar, Oman, Pakistan,Philippines, Saudi Arabia, Singapore, Sri Lanka, Syria, Taiwan, Thailand, Turkey, Vietnam, Yemen. Europe: Belgium, Bosnia and Herzegovina,Croatia, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Italy, Kosovo, Malta, Montenegro, Macedonia, Netherlands, Poland, Portugal, Romania, Spain, Serbia, Slovenia Oceania: American Samoa, Australia, Cook Islands, Federated States of Micronesia, Fiji, French Polynesia, Kiribati, New Caledonia, Niue, Papua New Guinea, Samoa, Solomon Islands, Tuvalu.

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12.	*Chrysomphalus dictyospermi*Morgan; (=*Aspidiotus (Chrysom phalus) dictyospermi=A. agrumicula =A. arecae =A. dictyospermi =A. dictyospermi* v. *arecae =A. dictyospermi* v. *jamaicensis =A. jamaicensis* (=*Amangiferae =Chrysomphalus arecae =C.castigatus =C. dictyospermatis =C. jamaicensis =C. mangiferae =C. minor*); Hemiptera: Diaspididae; dictyospermum scale	II	*Albizia julibrissin* (silk tree), Areca, *Areca catechu* (pinang, betelnut-pam), *Citrus* spp. (jeruk, orange), *Citrus aurantiifolia* (lime), *Citrus aurantium* (sour orange), *Citus maxima* (pummelo), *Citrus sinensis* (navel orange), *Citrus unshiu* (satsuma), *Citrus x paradisi* (grapefruit), *Cocos nucifera* (kelapa, coconut), *Dracaena*, *Olea* (olive), *Olea europaea* subsp. *europaea* (zaitun, olive),Howea, Palmaceae lainnya, Solanaceae, *Mangifera indica* (mangga, mango), Manihot, Musa (pisang, banana), *Musa x paradisiaca* (pisang kepok, plantain), *Persea americana* (avokad, avocado), *Plumeria*, *Rosa*(roses), Plumeria (frangipani), *Solanum melongena* (terung, aubergine, eggplant), *Syzygium malaccense* (jambu bol, malay-apple), *Taxus baccata*(english yew), *Zingiber officinale* (jahe, ginger) Acacia (wattles), *Acer*	batang, daun, buah	Indonesia: Jawa, Papua, Sumatera US Minor Outlying Islands: Johnston Island. Africa: Algeria, Angola, Benin, Cameroon, Cape Verde, Comoros, Congo, DR Congo,Ivory Coast, Egypt, Eritrea, Ethiopia, Guinea, Kenya, Libya, Madagascar, Mozambique, Mali, Mauritius, Morocco, Niger, Nigeria, Réunion, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe. America: Argentina, Bahamas, Barbados, Bermuda, Brazil, Bolivia, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, El savador, Ecuador, Grenada, Guadeloupe, Guatemala, Guyana, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Lucia, Suriname, Trinidad and Tobago, USA, Hawaii, South Carolina, Uruguay, United States Virgin Islands, Venezuela.	

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		palmatum (Japanese maple), Agave, Aloe (grey alder), Annona, *Araucaria angustifolia* (Paraná pine), Artocarpus (breadfruit trees), Asparagus, *Bambusa vulgaris* (common bamboo), Buxus (box), Cactaceae (cacti), Camellia, *Carica papaya* (pepaya, papaw), *Ceratonia siliqua* (locust bean), Cinnamomum, Colocasia, Crataegus (hawthorns), *Cupressus macrocarpa* (monterey cypress), Cycas, *Cymbidium*, *Cypripedium*, Dendrobium, Dictyosperma, Diospyros (malabar ebony), *Elaeis guineensis* (African oil palm), *Erythrina variegata* (Indian coral tree), Eucalyptus (Eucalyptus tree), Eugenia, *Euphorbia regis-jubae*, Ficus, Fraxinus (ashes), Grevillea, Hedera (Ivy), *Hibiscus syriacus* (shrubby althaea), *Howea forsteriana* (paradise palm), Latania, Laurus (laurel), Ligustrum (rivet), *Macadamia tetraphylla* (rough-shell macadamia		Asia:Armenia, Azerbaijan, Cambodia, China, Georgia (Republic), India, Iran, Iraq, Israel, Japan, Korea Republic of (South Korea),Laos, Lebanon, Malaysia, Mongolia, Myanmar, Philippines, Sri Lanka, Syria, Taiwan, Thailand, Turkey, Turkmenistan, Vietnam. Europe:Albania, Bulgaria, Belarus, Bosnia and Herzegovina, Czech Republic, Croatia,Estonia,France,Georgia, Germany, Greece, Italy, Latvia, Lithuania, Portugal, Poland, Malta,Moldova, Montenegro, Macedonia, Kazakhstan, Kosovo, Kyrgystan, Tajikistan, Uzbekistan, Ukraine, Russia, Romania, Serbia, Slovenia, Spain, Slovakia Republic, UK, Oceania: American Samoa, Australia, Federated states of Micronesia, Cook Islands, Fiji, French Polynesia, Guam, Kiribati, Marshall Islands, New Caledonia, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Samoa, Solomon

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		nut), Malus (ornamental species apple), *Monstera deliciosa* (ceriman), Morus (mulberrytree), Myristica (nutmeg), *Nertum oleander* (oleander), Phoenix (date palm), Phormium, Pinus (pines), Pistacia, Pittosporum, Platanus (planes), Populus (poplars), Prunus (stone fruit), *Psidium guajava* (guava), Punica, Pyrus (pears), Quercus (oaks), Rhamnus (Buckthorn), Roystonea, Ruscus, Rute (rue), Salix (willows), Sida, Sophora, Spondias (purple mombin), Strelitzia, Tamarindus, *Thuja occidentalis* (Eastern white cedar, *Thuja occidentalis* (Eastern white cedar), *Vanilla planifolia* (vanilla), *Vitis vinifera* (grapevine), Xanthosoma (cocoyam), Yucca		Islands, Tonga, Tuvalu.
13.	*Contarinia sorghicola*Coquillet; (=*Contarinia sorghicola* =*C. sahtata* =*C. andropogonis* =*C. palposa*=*Diplosis sorghicola* =*Allocontarinia sorghicola*); Diptera: Cecidomyiidae; ganjur	II	*Sorghum bicolor* (sorgum, sorghum) *Sorghum arundinaceum*, *Sorghum dochna*, *Sorghum halepense* (Johnson grass), *Sorghum sudanense* (sudan	biji, bunga	Indonesia: Jawa Africa: Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, DR Congo, Ethiopia, Gambia, Ghana, Kenya, Malawi, Mali,

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	(sorgum)/Sorghum midge		grass), rerumputan *(Triodia flava, Setaria qlauce, Andropogon gayanus)*			Mauritius, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe America: Antigua and Barbuda, Argentina, Barbados, Brazil, Colombia, Cuba, Curaçao, Dominica, El Salvador, Grenada, Guadeloupe, Guatemala, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines,Trinidad and Tobago, USA, United States Virgin Islands, Hawaii, Uruguay, Venezuela Asia: India, Iran, Japan, Myanmar, Pakistan, Philippines, Sri Lanka, Thailand, Yemen Europe: France, Italy, Russia. Oceania: Australia, Fiji, New Caledonia, Papua New Guinea.
14.	*Coptotermes gestroi*Wasmann; Isoptera: Rhinotermitidae; Asian subterranean termite	II	Pinus, Albizia, Hevea, other wood	batang, kayu		Indonesia: Jawa Africa: Madagascar, Mauritius, Reunion

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					America: Antigua, Barbados, Brazil, Caymanlslands, Mexico, Montserrat, Puerto Rico, St Kitts and Nevis, USA, US Virgin Islands Asia: Malaysia, Singapore, Thailand Europe: Italy Oceania: French Polynesia
15.	*Darna bradleyi*Holloway; (=*Ploneta bradleyi*); Lepidoptera: Limacodidae; ulat api/fire worm	II	*Elaeis guineensis* (kelapa sawit, oilpalm)	batang, daun	Indonesia: Sumatera
16.	*Darna catenatus* Snellen; (=*Orthocraspeda catenata* (Snellen)=*Orthocraspeda catenatus*); Lepidoptera: Limacodidae.	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oil palm), *Metroxylon sagu* (palem sagu, sago palm)	daun	Indonesia: Sulawesi, Papua
17.	*Dihammus rusticator*F.; (=*Dihammus fistulator* =*Monochamus fistulator* = *Acaloleptа fistulator* = *A.rusticator*); Coleoptera: Cerambycidae; penggerek batang / stem borer	II	*Coffea arabica* (kopi arabika, arabica coffee), *Coffea* spp. (kopi, coffee), *Jatropha* sp. (jarak iri, Barbados nut tree), *Manihot esculenta* (ubi kayu, cassava), *Ricinus communis* (jarak kepyar, castor oil bean), *Theobroma cacao* (kakao, cocoa), *Solanum melongena* (terung, aubergine, eggplant)	batang, daun, akar	Indonesia: Sumatera

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18.	*Dorysthenes buquetii*Guerin-Meneville; (=*Lophostermus buquetii*); Coleoptera: Cerambycidae; longhorn beetle	II	*Saccharum officinarum* (tebu, sugarcane), *Bambusa vulgaris* (common bamboo), *Spondias pinnata* (kedondong, otaheitte apple), *Leucaena glauca* (lamtoro gung, horse tamarind) *Manihot esculenta* (ubi kayu, cassava)	batang, daun	Indonesia: Jawa Asia : India, Laos, Malaysia, Myanmar, Thailand.
19.	*Dysmicoccus brevipes* Cockerell; Hemiptera: Pseudococcidae; pineapple mealybug	II	*Ananas comusus* (Nanas, pineapple), *Anacardium occidentale* (kacang mete, cashew nut), *Annona muricata* (sirsak, soursop), *Annona reticulata* (bullock's heart),*Annona squamosa* (srikaya, sweetsop), *Apium graveolens* (seledri, celery), *Arachis hypogaea* (kacang tanah, peanut), *Brassica rapa* subsp. *chinensis* (Chinese cabbage), *Canna indica* (canna lilly), Capsicum (peppers), *Casuarina equisetifolia* (casuarina), Citrus, *Cocos nucifera* (kelapa, coconut), *Coffea arabica* (kopi, arabica coffee), *Colocasia esculenta* (talas, taro), *Cucumis sativus* (ketimun, cucumber),	buah, batang, daun, tanaman	Indonesia: Jawa, Sumatera Africa: Angola, Benin,Burkina Faso, Burundi, Cameroon,Chad, Congo, Egypt, Ghana,Guinea,Ivory Coast, Kenya, Madagascar, Malawi, Mali,Mauritius, Mozambique, Niger, Nigeria, Reunion, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia,South Africa, Sudan, Tanzania, Togo, Uganda, Zambia America:Antigua and Barbuda, Argentina, Bolivia, Brazil, Bahamas, Barbados, Belize,Bermuda, Bolivia, Brazil, Cayman Island, Central America & Caribbean, Colombia, Chile, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador,El

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		Cucurbita (labu, pumpkin), *Daucus carota* (wortel, carrot), *Elaeis guineensis* (kelapa sawit, oil palm), Ficus, Gossypium (kapas, cotton), Hibiscus (rosemallows), *Ipomoea batatas* (ubi jalar, sweet potato), *Malus domestica* (apel, apple), *Mangifera indica* (mangga, mango), *Manihot esculenta* (ubi kayu, cassava), *Medicago sativa* (alfalfa, luceme), Musa (pisang, banana), *Persea americana* (avokad, avokado), *Phoenix dactylifera* (kurma, date-palm), *Piper betle* (betel pepper), Poaceae (grasses), *Psidium guajava* (jambu biji, guava), *Saccharum officinarum* (tebu, sugarcane), *Solanum tuberosum* (kentang, potato), *Sorghum halepense* (Johnson grass), *Theobroma cacao* (coklat, cocoa), *Trifolium pratense* (purple clover), *Trifolium repens* (white clover), Zea mays (jagung, corn), *Zingiber officinale* (jahe, ginger)		Salvador, French Guiana,Guyana, Grenada, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Panama, Puerto Rico, Paraguay, Peru, Mexico, Martinique, Montserrat, Nicaragua, Saint Kitts and Nevis, Saint Lucia, Suriname, Trinidad and Tobago, Venezuela, Uruguay, USA, United States Virgin Islands Asia: Bangladesh, Brunei Darussalam, Cambodia, China, Taiwan, India, Iran, Japan, Malaysia, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam Europe: Italy, Portugal, Spain Oceania: American Samoa, Australia, Cook Islands, Fiji, French Polynesia, Federated states of Micronesia, Guam, Kiribati, Marshall Island, New Caledonia, Niue, Northern Mariana Islands, Palau, Papua New Guinea, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu, Wallis and Futuna Islands

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		Hedychium coronarium (white butterfly ginger lily), *Rhapis excelsa*			
20.	*Dysmicoccus neobrevipes*Beardsley; Hemiptera: Pseudococcidae; gray pineapple mealybug	II	Acacia (wattles), *Achras*(= *Manilkara) zapota* (sawo, sapodilla), *Agave sisalana*, Aglaonema, Alpinia, *Anagallis arvensis* (scarlet pimpernel), *Ananas comosus* (naenas, pineapple), Annona, Arachis, Artocarpus (breadfruit), Barringtonia, Cajanus, Citrus, Clerodendrum (Fragrant clerodendron), Coccoloba (sea grape), Codiaeum (ornamental croton), Coffea (coffee), *Cresentia alata,Cucurbita maxima*(waluh, labu parang, pumpkin), *Garcinia mangostana* (manggis, mangosteen), Gossypium (cotton), Guettarda, Heliconia, *Solanumlycopersicum*(tomat, tomato), Musa (pisang, banana), Opuntia (Pricklypear), Pandanus (screw-pine), Phaseolus (beans), Philodendron, *Pipturus argentea,Piscidia*	buah, batang, daun, tanaman	Indonesia Jawa America:Jamaica, Mexico, USA Asia: Fiji, Malaysia, Philippines,Taiwan, Thailand Eropa: Italy Oceania:Micronesia

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			piscipula, Polianthes, Punica, Samanea, *Solanum melongena* (terung, aubergine, eggplant), Tectona, Theobroma, Thespesia, *Vigna unguiculata* (cowpea), *Wrightia arborea* (lanete), Yucca		
21.	*Heterobostrychus aequalis* Waterhouse;Coleoptera; Bostrichidae powder post beetle	II	*Camelia sinensis, Ceiba pentandra, Forest trees*	batang, kayu	Indonesia: Jawa, Bali Africa: South Africa, Madagascar Asia: India, Thailand, Philippines, Malaysia, Sri Lanka, Bangladesh Europe: Germany Oceania: Papua New Guinea
22.	*Hexamitodera semivelutina*Heller.; Coleoptera: Cerambycidae; penggerek batang (cengkeh)/stem borer	II	*Syzygium aromaticum* (cengkeh, clove) *Syzygium* spp., *Eugenia* spp., *Psidium guajava* (jambu biji, guava) dan Myrtaceae lainnya	batang	Indonesia: Jawa, Sulawesi, Maluku, Sumatera Asia: Brunei Darussalam.
23.	*Icerya purchasi*Maskell.; (=*Pericerya purchasi*); Hemiptera: Margarodidae; cottony cushion scale	II	*Acacia*(wattles), *Acacia confusa*, *Acalypha*(copperleaf), *Albizia julibrissin* (silk tree), *Casuarina equisetifolia* (casuarina),*Citrus*, Cytisus (broom), *Glycine soja* (kedelai, soybean),*Indigofera*(indigo), *Mangifera indica* (mangga,	batang, daun	Indonesia: Jawa, Kalimantan, Sulawesi, Sumatera, Papua. Africa: Algeria, Angola, Cape Verde, DR Congo, Congo, Egypt, Ethiopia, Kenya, Libya, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Saint Helena, Sao Tome and Principe, Senegal, Seychelles, Somalia,

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		mango), *Morus alba* (murbei, mulberry), *Psophocarpus tetragonolobus* (kecipir, winged bean), *Psidium guajava* (jambu biji, guava), *Pittosporum*, *Rosa*, *Ulex europaeus*(gorse)*Acacia dealbata* (acacia bernier), *Albizia procera* (white siris), *Baccharis*, Begonia, *Buxus sempervirens*(common boxwood), *Caesalpinia*(divi-divi), *Cajanus cajan* (kacang gude, pigeon pea), Camellia, *Cassia*(sennas), *Casuarina*, *Choisya*, *Choisya ternata* (mexican orange blossom), *Crotalaria*, *Desmodium*(tick clovers), Elaeagnus, *Euphorbia*(spurges), *Fragaria*(strawberry), *Fuchsia*, Hebe, *Hedera helix* (ivy), Hydrangea (Hydrangeas), Impatiens (balsam), Jasminum (jasmine), *Juncus*(rushes), *Lantana camara* (lantana), *Laurus nobilis*(Sweet bay), *Maranta bicolor*, *Macadamia integrifolia*(macadamia nut), *Malpighia puncifolia*, *Malpighia glabra*		South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe. America: Antigua and Barbuda, Argentina, Bahamas, Barbados, Bermuda, Bolivia, Brazil, Cayman Islands, Chile, Colombia, Cuba, Curaçao, Dominica, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Martinique, Mexico, Montserrat, Paraguay, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Trinidad and Tobago, USA, Uruguay, Venezuela. Asia: Bangladesh, China, Christmas Island (Indian Ocean), Cocos Islands, Georgia (Republic), India, Iran, Iraq, Israel, Japan, Jordan, Korea DPR (North Korea), Republic of Korea (South Korea), Lebanon, Malaysia, Maldives, Pakistan, Saudi Arabia, Singapore, Sri Lanka, Syria, Thailand, Taiwan, Turkey, Vietnam, Yemen.

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		(acerola),*Medicago sativa*(alfalfa, lucerne), *Mimosa*(sensitive plants), *Morus nigra* (murbei, blackmulberry), *Nandina domestica*(heavenly bamboo), *Pelargonium*(pelargoniums), Pittosporum, *Pittosporum tobira* (japanese pittosporum)*Plumbago*, *Plumbago zeylanica*, *Prunus* (stone fruit), *Punica granatum* (delima, pomegranate), *Pyracantha coccinea* (scarletfirethorn), Quercus (oaks), *Ricinus communis* (jarak kepyar,castor oil bean), Rosa (roses), *Schinus*(pepper tree), Senecio (groundsel),*Spartium junceum*(spanish broom), Spirarea, *Syringa* (lilac), *Ros marinus officinalis* (rosemary),*Virgilia capensis*(snowdrop tree)		Europe: Albania, Bulgaria, Bosnia and Herzegovina, Cyprus, Croatia,France, Gibraltar, Greece, Hungary, Italy, Malta, Montenegro, Macedonia, Portugal, Romania, Russia, Spain, Switzerland, Serbia, Slovenia, United Kingdom. Oceania: Australia, Federated States of Micronesia (Caroline Islands), Fiji, French Polynesia, Guam, Kiribati, Marshall Islands, New Caledonia, New Zealand, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Solomon Islands, Tonga, US Minor Outlying Islands
24.	*Laodelphax striatella* Fall.; (=*Laodelphax striatellus* =*Calligypona marginata* =*C. striatella* =*Delphacodes striatella* =*Delphax notula* =*D. striata* =*D. striatella* =*Liburnia akashiensis* =*L. devastans* =*L.*	II	*Avena sativa* (oats), Hordeum vulgare (barli, barley), *Oryza sativa* (padi, paddy), *Saccharum officinarum* (tebu, sugarcane), serealia lainnya (other cerealia), Triticum	batang, daun	Indonesia: Sumatera Africa: Algeria, Morocco, Tunisia Asia: Armenia, China, Georgia (Republic of), India, Iran, Israel, Japan, Korea DPR (North Korea), Republic of

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	gifuensis =L. haupti =L. maikoensis =L. marginata =L. minonensis =L. nipponica =L. striatella); Hemiptera: Delphacidae; smaller brown planthopper	(wheat), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn), *Dactylis glomerata* (orchardgrass), *Digitaria ciliaris* (southern crabgrass), Echinochloa (barnyardgrass), Lolium (ryegrasses), *Poa annua* (annual meadowgrass),		Korea (South Korea), Philippines, Taiwan,Tajikistan, Thailand, Turkmenistan, Vietnam Europe: Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Czech, Croatia, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Sardinia, Moldova, Montenegro, Macedonia, Netherlands, Poland, Portugal, Romania, Russia, Spain, Swedia, Switzerland, Slovakia, Serbia, Slovenia, Ukraine, UK Oceania:Federated states ofMicronesia,Northern Mariana Islands
25.	*Liriomyza chinensis*Kato; Diptera: Agromyzidae; pengorok daun/ onion leaves miner	II	*Allium cepa* (bawang bombai, onion)	batang, daun	Indonesia: Jawa, Sulawesi Asia: Japan, Malaysia, China, Singapore. Europe: France, Germany
26.	*Liriomyza trifolii*Burgess; (=*Agromyza phaseolunata* =*Liriomyza alliovora* =*L. phaseolunata* =*Oscinis trifolii*); Diptera: Agromyzidae; penggorok daun (leaves), serpentine leaf miner; American serpentine leaf miner, chrysanthemum leaf	II	*Abelmoschus esculentus* (okra, lady's finger), *Ageratum*, *Allium* spp (onions, garlic, leek,etc) *Allium sativum* (bawang putih, garlic), *Arachys hypogaea* (kacang tanah, peanut), Aster, *Beta vulgaris* var. *saccharifera* (bit gula,	batang, daun	Indonesia: Jawa, Sumatera Africa: Benin, Ivory Coast, Egypt, Ethiopia, Guinea, Kenya, Madagascar, Mauritius, Mayotte, Morocco, Nigeria, Réunion, Senegal, South Africa, Sudan, Tanzania, Tunisia, Zambia, Zimbabwe.

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miner		sugarbeet), *Bidens*(burmarigold), *Brassica rapa* cultivar group Mizuna, *Brassicarapa* subsp. *chinensis* (pak-choi, Chinese cabbage), *Chrysanthemum* spp, *Chrysanthemum morifolium* (chrysanthemum (florists), *Capsicum annuum* (cabai besar, paprika, bell-pepper, hot pepper, chilies), *Callistephus, Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita pepo* (labu kuning, zucchini), Cucurbitaceae (cucurbits), *Dahlia, Dendranthema, Dianthus, Gaillardia, Gerbera*(barbeton daisy), *Glycine max* (kedelai, soyabean), *Gossypium*(cotton), *Gossypium hirsutum* (kapas, cotton), *Gypsophila*(baby's breath), Helianthus(sunflower), *Nasturtium officinale* (selada air, watercress), *Lactuca sativa* (lettuce), *Lathyrus (Vetchling)*, *Solanumlycopersicum*(tomat,		America: Argentina, Bahamas, Barbados, Bermuda, Brazil, British Virgin Islands, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, French Guiana, Guadeloupe, Guatemala, Guyana, Martinique, Mexico, Netherlands Antilles, Peru, Puerto Rico, Saint Kitts and Nevis, Trinidad and Tobago, USA, United State Virgin Island, Hawaii, Venezuela. Asia: China, India, Israel, Japan, Jordan, Republic of Korea (South Korea), Lebanon, Oman, Philippines, Saudi Arabia, Taiwan, Turkey, United Arab Emirates, Vietnam, Yemen. Europe: Austria, Belgium, Bosnia and Herzegovina,Croatia, Cyprus, Czech Republic, Finland, France, Greece, Italy, Malta, Montenegro, Macedonia, Netherlands, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Switzerland,Serbia. Oceania: American Samoa,

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		tomato), *Medicago sativa*(alfalfa, lucerne), *Phaseolus* spp. Phaseolus (beans),*Phaseolus lunatus* (lima bean), *Phaseolus vulgaris* (buncis, common bean), *Pisum sativum*(pea), Polyphagous (polyphagous), *Salvia*(sage), *Senecio*(grounsel), *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (terung, aubergine, eggplant), *Solanum tuberosum* (kentang, potato), *Spinacia oleracea*(spinach), *Tagetes*(marigold), *Tropaeolum*, *Trifolium*(cengkeh, clovers), *Trifolium repens*(white clover), Vicia (vetch), *Vigna unguiculata*(kacang panjang, cowpea), *ZinniaAllium cepa* (bawang bombay, onion), *Allium schoenoprasum* (chives), Alstroemeria (inca lily), Ambrosia (ragweed), Antirrhinum (snapdragon), *Apium graveolens* var. *dulce* (bleached celery), Arachis, Artemisia (wormwoods),		Australia, Federated states of Micronesia, Guam, Northern Mariana Islands, Samoa, Tonga.	

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		Avena sativa (oats), Baccharis, Basella, Bellis,Cassia (sennas), Centaurea (knapweed),Carthamus, Cestrum (jessamine), Chenopodium (goosefoot), *Chrysanthemum indicum* (chrysanthemum), *Citrullus lanatus* (semangka, watermelon), *Crataegus (hawthorns), Crotalaria, Cucurbita maxima* (labu, giant pumpkin), *Cucurbita moschata* (pumpkin), *Daucus carota* (wortel, carrot), *Erigeron*(fleabane), *Eupatorium, Gazania, Gladiolus hybrids*(sword lily), Glycine, *Hordeum*(barleys), *Ipomoea* (morning glory), *Lagenaria siceraria* (bottle gourd), *Linaria*(toadflax),*Luffa acutangula* (angled luffa),*Luffa aegyptiaca* (loofah), Macrotyloma, Malva (mallow), *Medicago, Macrotyloma, Melilotus* (melilots), Molluce‌lla, Ocimum, *Primula*(primrose), Phlox, Physalis		

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		(groundcherry), Ricinus, *Ricinuscommunis* (castor bean), *Sonchus* (sowthistle), Taraxacum (dandelion), Tithonia, Tragopogon (goat's-beard), Tribulus (caltrop), Trigonella, Typha (reedmace), Verbena (vervain), *Xanthium* (cocklebur)			
27.	*Paraeucosmetus pallicornis*Dallas (=*Gynades pallicornis* =*Pachybrachius pallicornis*); Hemiptera: Rhyparochromidae (sumber: multidisplinary microbial ecology).	II	*Oryza sativa* (padi, paddy), Graminae	batang, jerami, bulir	Indonesia:Maluku (Buru), Maluku Utara, Sulawesi, Kalimantan, NTT Asia: Malaysia, Philippines
28.	*Paraleyrodes minei*Laccarino; Hemiptera: Aleyrodidae; nesting whitefly	II	*Citrus aurantifolia, Citrus aurantium, Citrus limon, Citrus paradisi, Citrus reticulata, Persea americana, Cocos nucifera* (kelapa)	bagian tanaman	Indonesia: Jawa Asia: China, Iran, Israel, Lebanon, Syria America:Belize, Bemuda, Colombia, Dominican Republic, Guatemala, Haiti, Honduras, Mexico, Puerto Rico, USA Eropa: Italy, Portugal, Spain, Turkey
29.	*Pectinophora gossypiella* (Saund).; (=*Depressaria gossypiella* =*Ephestia gossypiella* =*Gelechiagossypiella*	II	*Abelmoschus moschatus* (okra, lady's finger), *Abutilon* spp. (Indian mallow), *Abutilon indicum* (country mallow), *Gossypium*,	buah, biji, tanah	Indonesia: Jawa, Nusa Tenggara Barat, Nusa Tenggara Timur, Sulawesi Africa: Algeria, Angola, Benin, Burkina Faso, Burundi,

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=*Gelechiella gossypiella* =*Platyedra gossypiella*; Lepidoptera: Gelechiidae; pink bollworm, pink cotton bollworm		*Gossypium hirsutum* (kapas, cotton), *Hibiscus* spp. (rosemallows), *Hibiscuscannabinus* (kenaf), *Hibiscussabdariffa* (jamaica sorrel), Malvaceae, *Medicago sativa*(alfalfa, lucerne) Althaea (hollyhocks), *Gossypium arboreum* (cotton, tree), *Gossypium herbaceum* (short staple cotton),		Cameroon, Central African Republic, Chad, DR Congo, Ivory Coast, Egypt, Ethiopia, Ghana, Kenya, Libya, Madagascar, Malawi, Mali, Mauritius, Morocco, Mozambique, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, Sudan, Tanzania, Togo, Tunisia, Uganda, Zimbabwe. America: Antigua and Barbuda, Argentina, Bahamas, Barbados, British Virgin Islands, Bolivia, Brazil, Colombia, Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Mexico, Montserrat, Paraguay, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, USA, United State Virgin Island, Hawaii, Uruguay, Venezuela. Asia: Afghanistan, Bangladesh, Cambodia, China, Taiwan, India, Iran, Iraq, Israel, Japan, Jordan, Korea DPR (North Korea),

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					Republic of Korea (South Korea), Laos, Malaysia, Myanmar, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Syria, Taiwan, Thailand, Turkey, Uzbekistan, Vietnam, Yemen. Europe: Albania, Bulgaria, Bosnia and Herzegovina,Cyprus, Croatia, Greece, Italy, Macedonia, Malta,Montenegro,Romania, Russia, Spain, Serbia, Slovenia Oceania: Australia, Fiji, French Polynesia, New Caledonia, Northern Mariana Islands, Pacific Islands (US), Papua New Guinea, Samoa, Vanuatu.
30.	*Phenacoccus manihoti*Matile-Ferraro; Hemiptera: Pseudococcidae; cassava mealybug	II	*Manihot esculenta* (ubi kayu, cassava) *Boerhavia diffusa* (red spiderling), *Capsicum* spp. Citrus, Cyperus (flatsedge), *Euphorbia pulcheririma* (pointsettia), *Glycine max* (kedelai, soyabean), *Ipomoea batatas* (sweet potato), *Manihot glaziovii* (ceara rubber), *Sida acuta* (sida), Solanum (nightshade),	batang, daun, bunga	Indonesia: Jawa Africa: Angola, Benin, Cameroon, Central African, DR Congo,Congo, Ivory Coast, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Kenya, Liberia, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Togo,

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		Solanum lycopersicum (tomat, tomato)			Uganda,Zanzibar, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Colombia, Guyana, Paraguay Asia: Cambodia, Laos, Thailand, Vietnam
31.	*Phenacoccus solenopsis*; Hemiptera: Pseudococcidae; cotton mealybug	II	*Abelmoschus esculentus* (okra, lady's finger), *Carica papaya* (pepaya, papaw) *Abutilon indicum* (country mallow), *Abutilon muticum*, *Acacia leucophloea* (white-barked acacia), *Acacia modesta*, *Acalypha wilkesiana*, *Achillea* (milfoil), *Achyranthes aspera* (devil's horsewhip), *Aerva javanica*, *Ageratum conyzoides* (billy goat weed), *Albizia lebbeck* (indian siris), Althaea (hollyhocks), *Amaranthus flavus*, *Amaranthus virisis* (slender amaranth), *Ambrosia* (ragweed), *Ambrosia artemisiifolia* (common ragweed), *Ambrosia confertifolia*, *Ambrosia dumosa*, *Ambrosia psilostachya* (parennial ragweed), *Ambrosia tenuifolia*, *Anagallis arvensis*	buah, batang, daun, tanaman	Indonesia Jawa Afrika: Benin, Cameroon, Egypt, Ghana, Mali, Nigeria, Reunion, Senegal America:Argentina, Belize, Brazil, Canada, Caribbean, Cayman Island, Chile, Colombia, Cuba, Dominican Republic, Ecuador, Guadeloupe, Guatemala, Jamaica, Martinique, Mexico, Nicaragua, Panama, USA Asia: Cambodia, China, India, Iran, Japan, Pakistan, Sri Lanka, Taiwan, Thailand, Turkey, Vietnam Europe:Cyprus, Netherlands Oceania: Australia, New Caledonia	

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		(scarlet pimpernel), *Aphelandra squarrosa* (zebra plant), *Artemisia annua*, Asclepias (silkweed), *Asparagus densiflorus* (asparagus fern), *Atriplex canescens* (Fourwing saltbush), *Azadirachta indica* (neem tree), *Bassia indica*, *Bauhinia purpurea* (purple bauhinia), *Bidens pilosa* (blackjack), *Blumea lacera*, *Boerhavia repens*, *Bombax ceiba* (silk cotton tree), *Bougainvillea glabra*, *Broussonetia papyrifera* (paper mulberry), *Calendula officinalis* (Pot marigold), *Calotropis procera* (apple of sodom), *Capparis decidua*, *Capsicum frutescens* (cabai rawit, chilies), *Cassia fistula* (Indian laburnum), *Celosia argentea* (celosia), *Centaurea cyanus* (cornflower), *Cestrum diurnum*, *Cestrum nocturnum* (night scented cestrum), *Cevallia sinuata*, *Chenopodium album* (fat hen), *Chenopodium murale* (nettleleaf goosefoot), *Chrysanthemum morifolium*		

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		(chrysanthemum (florists), *Cirsium arvense* (creeping thistle), *Cichorium intybus* (chicory), *Citrullus colocynthis* (colocynth), *Citrullus lanatus* (semangka, watermelon), *Citrus aurantium* (jeruk nipis, lime), *Citrus sinensis* (navel orange), *Cleome viscosa* (yellow mesambay), *Clerodendrum inerme*, *Coleus blumei* (common coleus), *Convolvulus arvensis* (bindweed), *Convolvulus prostratus*, *Conyza bonariensis* (hairy fleabane), *Conyza canadensis* (Canadian fleabane), *Corchorus antichorus*, *Corchorus trilocularis*, *Cressa cretica*, *Croton sparciflorum*, *Cucumis tetragona*, Cucurbita (pumpkin), *Cucurbita moschata* (pumpkin), *Cuscuta reflexa* (dodder), *Cyamopsis tetragonoloba* (guar), *Cynodon dactylon* (Bermuda grass), *Cyperus rotundus* (purple nutsedge), *Dalbergia sissoo*, *Datura metel* (Hindu		

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		datura), *Daucus carota* (wortel, carrot), *Digera muricata Duranta erecta* (Pigeonberry), *Echinochloa colona* (junglerice), *Elettaria cardamomum* (cardamom), *Eleusine indica* (goose grass), *Emilia sonchifolia* (red tasselflower), *Encelia farinosa*, Enceliopsis, *Eragrostis minor*, Eriophyllum, *Eucalyptus camaldulensis* (red gum), Euphorbia (spurges), *Euphorbia cotinifolia*, *Euphorbia hirta* (garden spurge), *Euphorbia prostrata*, *Euphorbia trigona*, *Fagonia cretica*,*Ficus benghalensis* (banyan), *Ficus carica* (fig), *Ficus virens* (grey fig), Franseria, *Gardenia jasminoides* (cape jasmine), Gossypium (cotton), *Gossypium arboreum* (cotton tree),*Gossypium hirsutum* (kapas, cotton), *Grewia asiatica* (phalsa), *Hamelia patens*, Helianthus (sunflower), *Helianthus annuus* (bunga matahari, sunflower), Hibiscus		

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		(rosemallows), *Hibiscus rosa-sinensis*, *Heliotropium europaeum* (common heliotrope), *Heliotropium strigosum*,*Herissantia crispa*, *Hibiscus mutabilis* (cottonrose), *Hibiscus rosa-sinensis* (China-rose), *Ipomoea batatas* (ubi jalar, sweet potato), *Ipomoea cairica* (five-fingered morninggloryl), *Jacquemontia pentantha*, *Jasminum auspidatum*, *Jasminum sambac* (arabian jasmine),*Jatropha integerrima*, *Kallstroemia brachystylis*, *Lagenaria siceraria* (bottle gourd),*Lagerstroemia indica* (indian crape myrtle), *Lantana camara* (lantana), *Launia nudicaulis*, *Lawsonia inermis* (Egyptian privet), *Lepidium didymum*,*Luffa aegyptiaca* (loofah), *Lupinus* spp., *Lycium chinense* (chinese wolfberry), *Malva parviflora*, *Malvastrum coromandelianum*, *Malvaviscus arboreus* (wax mallow), *Mangifera indica*		

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		(mangga, mango), *Mentha longifolia, Mentha piperita* (Peppermint), *Morus alba* (murbei, mullberry),*Medicago polymorpha* (rough medick), *Melaleuca quinquenervia* (paperbark tree),*Melia azedarach* (Chinaberry), *Melilotus indica* (Indian sweetclover), *Momordica charantia* (bitter gourd),*Morus alba* (mora), *Nerium oleander* (oleander), *Nicotiana plumbaginifolia, Nicotiana tabacum* (tembakau, tobacco), *Ocimumbasilicum* (basil), Orobanche (broomrape), *Oxalis corniculata* (creep ing woodsorrel (USA)), Panax, Parthenium, *Partheniumhysterophorus* (parthenium weed), *Persicaria glabra, Phoenix dactylifera* (kurma, date-palm), *Punica granatum* (delima, pomegranate), *Phyllanthus niruri* (seed-under-the-leaf),Physalis (Groundcherry), *Physalis alkekengi, Piper betle* (betel		

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		pepper),*Plumeria rubra* var. acutifolia (Mexican *frangipani), Polyalthea longifolia, Polygonumbarbatum (knot grass), Portulacagrandiflora*(rose moss),*Portulaca oleracea* (purslane), *Quisqualis indica, Ricinus communis* (castor bean), *Rosa chinensis* (China rose), *Ruellia squarrosa,Rumex dentatus, Salsola baryosma, Salvadora oleoides, Salvia officinalis* (commonsage), *Sesamum indicum* (wijen, sesame), *Simmondsia chinensis* (jojoba), *Solanum* spp., *Sesbania sesban* (sesban), *Setcreasea pallida, Sida rhombifolia, Sida urens, Simmondsia chinensis* (jojoba),*Solanum elaeagnifolium* (silverleaf nightshade), *Solanum lycopersicum* (tomato), *Solanum melongena* (terung, aubergine, eggplant), *Solanum muricatum* (melon pear),*Solanum nigrum* (leunca, black nightshade),		

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			Solanum spp., *Solanum tuberosum* (kentang, potato), *Solanum virginianum*, *Sonchus oleraceus* (common sowthistle),Spermacoce, Suaeda (sea blite), *Suaeda nigra*, *Synsepalum dulcificum*, *TabernaeMontanadivaricata*, *Tagetes erecta* (African marigold), *Taraxacum officinale* complex (dandelion), *Tecoma stans* (yellow bells),*Tinospora cordifolia*,*Trianthema portulacastrum* (horse purslane), *Trianthema triquetra*, *Tribulus terrestris* (puncture vine), *Trigonella polycerata*, *Urena lobata* (caesar weed), *Verbena officinalis*, *Withania somnifera* (poisonous gooseberry), *Xanthium strumarium* (common cocklebur), *Zea mays* (jagung, corn), *Ziziphus mauritiana* (jujube)	batang, daun	Indonesia: Sumatera Asia: China, Malaysia. Europe: Bulgaria,Finland, Italy, Russian
32.	*Phragmataecia castaneae*Hubner;(=*Phragmata ecia castaneae*); Lepidoptera: Cossidae; giant	II	*Saccharum officinarum* (tebu, sugarcane), *Saccharum spontaneum* (glagah, wild sugarcane)	batang, daun	Indonesia: Sumatera Asia: China, Malaysia. Europe: Bulgaria,Finland, Italy, Russian

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	stem borer		Paspalum, *Saccharum robustum, Sorghum propineum*		
33.	*Phragmataecia gummata* Swinhoe.; (=*Phragmataecia parvipunctus*); Lepidoptera: Cossidae; giant stem borer	II	*Saccharum officinarum* (tebu, sugarcane), *Saccharum spontaneum* (glagah, wild sugarcane)	batang, daun	Indonesia: Sumatera Asia: Malaysia
34.	*Pineus boerneri* (Annand; (=*Pineus pini sensu lato*= *Anisophleba pini*= *Aphis pini* =*Kermaphis pini var. laevis* =*Kermes pini* =*Pineus hawrylenkoi* = *Pineus laevis* =*Pineus pini* = *Pineus simmondsi* =*Pineus sylvestris*); Hemiptera; Adelgidae; pine woolly aphid	II	*Pinus canariensis* (Canary pine), *Pinus caribaea* (Caribbean pine),*Pinus contorta* (lodgepole pine), *Pinus elliottii* (slash pine), *Pinus halepensis* (Aleppo pine),*Pinus hartwegii* (Hartweg pine),*Pinus kesiya* (khasya pine), *Pinus massoniana* (masson pine), *Pinus maximinoi* (thin-leaf pine), *Pinus montezumae* (montezuma pine), *Pinus mugo* (mountain pine), *Pinus muricata* (bishop pine), *Pinus oocarpa* (ocote pine), *Pinus patula* (Mexican weeping pine), *Pinus pinaster* (maritime pine), *Pinus pinea* (stone pine), *Pinus radiata* (radiata pine),*Pinus resinosa* (red pine), *Pinus sylvestris* (Scots pine),*Pinus taiwanensis* (Taiwan pine), *Pinus teocote* (twisted leaf	batang, kayu	Indonesia: Kalimantan, Sumatera, Jawa Africa: Ethiopia, Kenya, Malawi, Morocco, South Africa, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, USA (Hawaii), Chile Asia: China, Geogia (Republic of), Israel, Jordan, Kyrgyzstan, Lebanon, Malaysia, Pakistan, Taiwan, Turkey Europe: Czech Republic, Finland, France, Germany, Ireland, Italy, Lithuania, Netherlands, Poland, Spain, Slovakia Republic, Sweden, UK Oceania: Australia, New Zealand	

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			pine),*Pinus thunbergii* (Japanese black pine), *Pinus densiflora*,*Pinus merkusii*, *Pinus pungens*, *Pinus roxburghii*. *Pinus arizonica*, *Pinus canariensis*, *Pinus caribaea*, *Pinus clausa*, *Pinus cooperi*, *Pinus douglasiana*, *Pinus durangensis*, *Pinus echinata*, *Pinus engelmannii*, *Pinus glabra*, *Pinus greggii*, *Pinus hartwegii*, *Pinus lawsonii*,*Pinus leiophylla*, *Pinus maximinoi*, *Pinus michoacana*, *Pinus montezumae*, *Pinus occidentalis*, *Pinus palustris*, *Pinus patula*, *Pinus pinea*, *Pinus pseudostrobus*, *Pinus radiata*, *Pinus rigida*, *Pinus serotina*, *Pinus sylvestris*, *Pinus taeda*, *Pinus tauvanensis*, *Pinus teocote*, *Pinus virginiana* (scrub pine)		
35.	*Planococcus deceptor*Betn.; (=*Dactylopius coffeae* =*Dactylopius crotonis* =*Planococcus crotonis* = *P. lilacinus* =*P. tayabanus* =*Pseudococcus coffeae* =*P. crotonis* =*P. deceptor* =*P.*	II	*Annona muricata* (sirsak, soursop), *Bauhinia*(camel's foot), *Coffea* spp. (kopi, *coffee*), *Coffea arabica* (kopi arabika, arabica coffee), *Coffea canephora* (kopi robusta, robusta coffee),	batang, daun, akar, buah segar, tanaman	Indonesia: Jawa, Kalimantan, Lampung Africa: Comoros, Kenya, Madagascar, Mauritius, Reunion, Seychelles. America: Dominican Republic, El Salvador, Guyana, Haiti.

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tilacinus Cork =*P. tayabanus* =*Tylococcus mauritiensis)*; Hemiptera: Pseudo coccidae; cacao mealybug, coffee mealybug		*Ceiba pentandra* (kapok randu, kapok), *Citrus* spp. (jeruk, orange), *Psidium guajava* (jambu biji, guava), *Theobroma cacao* (kakao, cocoa) *Annona squamosa* (srikaya, sweetsop), *Bambusa vulgaris* (common bamboo), *Brassica oleracea* var. *botrytis* (cauliflower), *Cocos nucifera* (kelapa, coconut), *Dioscorea* sp. (gembili, yam), *Mangifera indica* (mangga, mango), *Punica granatum*(delima, pomegranate), *Tamarindus indica* (asam jawa, tamarind), Vitis (grape)		Asia: Bangladesh, Brunei Darussalam, Cambodia, China, Cocos Islands, India, Japan, Laos, Malaysia, Maldives, Myanmar, Philippines, Sri Lanka, Taiwan,Thailand, Vietnam, Yemen. Oceania: Federated States of Micronesia, Guam, Northern Mariana Islands, Papua New Guinea.
36. *Postelectrotermes militaris* Desneux; (=*Calotermes militaris = Neotermes militaris =Termes militaris)*; Isoptera: Kalotermidae; dry wood termite	II	*Camellia sinensis* (teh, tea) *Acacia decurrens*(green wattle), *Casuarina equisetifolia*(casuarina), Cedrus (cedars), *Cinnamomum camphora* (kamfer, camphor), *Cryptomeria japonica*(japanese cedar), *Erythrina subumbrans*(december tree), *Eucalyptus* spp., *Eucalyptus robusta*(swamp mahogany), *Grevillea robusta*(silky oak),	batang, akar	Indonesia: Jawa. Asia: Sri Lanka.

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		Stenocarpus salignus(beefwod), *Tephrosia vogelii*(vogel's tephrosia),			
37.	*Rhabdoscelus obscurus* Bolsd.; (=*Calandra obscura* =*Rhabdocnemis faustiR. interruptocostatus=R. maculata=R. nudicollis=R. obscura=R. promissus=R. maculatus=Rhabdoscelis obscura =Sphenophorus beccarii=S. insularis=S. interruptecostatus =S. nudicollis=S. promissus=S. sulcipes=S. tincturatus=S. obscurus*); Coleoptera: Dryophthoridae; beetle borer, cane weevil borer, New Guinea cane weevil borer, sugarcane weevil borer, New Guinea sugarcane weevil, Hawaiian sugarcane borer, cane weevil borer, New Guinea sugarcane weevil	II	*Saccharum officinarum* (tebu, sugarcane) *Areca catechu* (pinang, betelnut palm), Arecaceae (plants of the palm family), *Cocos nucifera* (kelapa, coconut), *Carica papaya* (pepaya, pawpaw, papaya), *Metroxylon sagu* (sagu, sago palm), *Musa* spp. (pisang, banana), *Musa x paradisiaca* (pisang kepok, plantain), Poaceae (grasses), *Strelitzia reginae* (Queens bird-of-paradise), *Zea mays* (jagung, corn)	batang	Indonesia: Maluku,Papua, Sulawesi, Nusa Tenggara Barat. America: USA (Hawaii). Asia: China, Christmas Island (Indian Ocean), Japan, Malaysia,Sri Lanka, Taiwan Oceania: American Samoa, Australia, Cook Islands, Federated States of Micronesia (Caroline Islands), Fiji, French Polynesia, Palau, Guam, Marshall Islands, Nauru, New Caledonia, Niue, Northern Mariana Islands, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu.
38.	*Sesamia grisescens*Warren.; Lepidoptera: Noctuidae; sesamia borer, pink sugarcane borer	II	*Saccharum officinarum* (tebu, sugarcane), *Oryza sativa* (padi, paddy), *Zea mays* (jagung, corn) *Megathyrsus maximus* (Guinea grass), *Pennisetum purpureum* (elephant grass),	batang	Indonesia: Papua, Maluku. Oceania: Papua New Guinea.

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		Saccharum edule, *Saccharum robustum*, *Saccharum spontaneum* (wild sugarcane)			
39.	*Sexava coriacea*Linn.; Orthoptera: Tettigoniidae; belalang sexava, sexava grasshopper	II	*Cocos nucifera* (kelapa, coconut) Orchidaceae (anggrek, orchids), *Asplenium nidus* (kadaka, bird's nest fern), *Salacca edulis* (salak, snake-skin palm), *Metroxylon sagu* (sagu, sago palm), *Arenga pinnata* (aren, sugar palm), *Areca catechu* (pinang, betelnut palm), *Musa* spp. (pisang, banana), *Pandanus* spp. (pandan), *Zingiber officinale* (jahe, ginger)	buah, tanaman, daun, rimpang, sabut, tanah.	Indonesia: Sulawesi, Kep. Sangihe, Talaud, Kep. Banggai, Maluku, Maluku Utara, Papua
40.	*Sexava karnyi* Lfs.; Orthoptera: Tettigoniidae; belalang sexava,sexava grasshopper	II	*Cocos nucifera* (kelapa, coconut) Orchidaceae (anggrek, orchids), *Asplenium nidus* (kadaka, bird's nest fern), *Salacca edulis* (salak, snake-skin palm), *Metroxylon sagu* (sagu, sago palm), *Arenga pinnata* (aren, sugar palm), *Areca catechu* (pinang, betelnut palm), *Musa* spp. (pisang, banana), *Pandanus* spp. (pandan), *Zingiber officinale* (jahe, ginger)	tanaman, buah, daun, rimpang, sabut, tanah	Indonesia: Sulawesi (Tengah: Kepulauan Togean & Una-una),)

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41.	*Sexava nubila* Stal.; Orthoptera: Tettigoniidae; belalang sexava, sexava grass hopper, coconut treehopper	II	*Cocos nucifera* (kelapa, coconut) Orchidaceae (anggrek, orchids), *Asplenium nidus* (kadaka, bird's nest fern), *Salacca edulis* (salak, snake-skin palm), *Metroxylon sagu* (sagu, sago palm), *Arenga pinnata* (aren, sugar palm), *Areca catechu* (pinang, betelnut palm), *Musa* spp. (pisang, banana), *Pandanus* spp. (pandan), *Zingiber officinale* (jahe, ginger)	tanaman, buah, daun, rimpang, sabut, tanah	Indonesia: Sulawesi (Utara), Kepulauan Sangihe dan Talaud, Maluku (Seram, Buru), Papua,, Biak, Papua Oceania: Papua New Guinea.
42.	*Thosea monolancha* Meyrick (= *Thosea moluccana*); Lepidoptera: Limacodidae	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oil palm)	bagian tanaman	Indonesia: Sulawesi, Papua, Sumatera, Maluku, Maluku Utara Asia: Philippines Oceania: Papua New Guinea

II. TUNGAU (*MITES*)

No.	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Aceria guerreronis* Keifer; (=*Eriophyes guerreronis*); Prostigmata: Eriophyidae; coconut mite	II	*Cocos nucifera* (kelapa, coconut), *Sygarus romanzoffiana* (queen palm) *Borassus flabellifer* (toddy palm),*Lytocaryum weddellianum*	buah, bagian tanaman di atas tanah	Indonesia:Sulawesi, Kepulauan Riau, Kalimantan Timur, Ternate, Papua (Biak) Africa: Benin, Cameroon, Ivory Coast, Gambia, Mozambique, Nigeria, Sao

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					Tome & Principe, Tanzania, Togo America: Anguilla, Bahamas, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Mexico, Puerto Rico, Saint Lucia, Saint Vincent & the Grenadines, Trinidad and Tobago, USA, Venezuela, Costa Rica Asia: India, Malaysia, Maldives, Philippines, Sri Lanka, Oman Europe: Hungary, Poland Oceania: Australia
2.	*Calacarus carinatus*Green;(=*Calacarus adornatus* =*Eriophyes carinatus* =*Phyyocoptes carinatus* =*Phytoptus carinatus* =*Typhlodromus carinatus*)Eriophyidae, Arachnida; purple mite, purple tea mite, ribbed tea mite	II	*Camellia japonica, Capsicum* spp., *Viburnum* spp. *Camellia sinensis* (teh, tea)	tanaman dan bagian tanaman di atas tanah	Indonesia: Jawa, Sumatera Africa: Kenya, Mauritius America: USA Asia: Cambodia, Georgia (Republic), India, Indochina, Japan, Republic of Korea, Laos, Malaysia, Sri Lanka, Vietnam. Europe: Spain Oceania:Australia, New Zealand.
3.	*Eutetranychus orientalis* Klein.; (=*Anychus latus* =*A. orientalis* =*A.ricini* =*Eutetranychus anneckei* =*E. latus* =*E.monodi*	II	*Citrus, Abelmoschus esculentus* (okra, lady's finger), *Codiaeum variegatum, Carica papaya*	bagian tanaman di atas tanah	Indonesia: Sumatera, Jawa Barat Africa: Cape Verde, Egypt, Ethiopia, Kenya, Libya,

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=*E. sudanicus*); Prostigmata:Tetranychidae; citrus brown mite, oriental mite, oriental red mite, oriental spider mite		(pepaya, pawpaw, papaya), *Ficus carica* (ara, fig), *Gossypium barbadens* (kapas, cotton), *Morus alba* (murbei, mulberry), *Nephelium lappaceum* (rambutan, rambutan), *Plumeria*, *Ricinus communis*, *Solanum melongena* (terung, eggplant), *Phaleria macrocarpa* (mahkota dewa) *Manihot esculenta* (ubi kayu, cassava), *Musa paradisiaca* (pisang kepok, plantain), *Olea europea* subsp. *europea* (zaitun, olive), *Prunus amygdalus* (almon, almond), *Psidium guajava* (jambu biji, guava), *Caladium spp.* (keladi)		Malawi, Mali, Mauritania, Mozambique, Nigeria, Senegal, South Africa, Sudan, Swaziland Asia: Afghanistan, Bangladesh, China, India, Iran, Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Pakistan, Saudi Arabia, Thailand, Turkey, Yemen Europe: Cyprus, Greece, Spain Oceania: Australia
4. *Oligonychus coffeae* (Nietner); (=*Acarus coffeae* =*Matatetranychus bioculatus* =*Oligonychus bioculatus* =*O. merwei* =*Paratetranychus bioculatus* =*P. terminalis* =*Tetranychus bioculatus*)Prostigmata: Tetranychidae; tea red spider mite, red coffee mite	II	*Camellia sinensis*, *Coffea* spp. (kopi, coffee), *Coffea arabica*(kopi arabika, arabica coffee) *Anacardium occidentale*, *Citrus*, *Cinnamomum camphora*, *Corchorus capsularis*, *Elaeis guineensis*(kelapa sawit, oilpalm), *Eucalyptus globulus*, *Gossypium*, *Hevea brasiliensis*(karet, rubber	daun, tanaman	Indonesia: Jawa, Sumatera Africa:Congo, DR Congo, Egypt, Ethiopia, Kenya, Malawi, Mauritius, South Africa, Tanzania. America: Colombia, Costa Rica, Ecuador, USA Asia: Bangladesh, China, Georgia (Republic), India, Japan, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

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		tree), *Indigovera, Lagerstroemia, Manihot esculenta*(ubi kayu, cassava), *Mangifera indica*(mangga, mango), *Morus alba*(murbei, mulberry), *Vigna mungo, Ricinus communis*(jarak kepyar, castor oil bean), *Terminalia catappa, Vitis vinifera*(anggur grapevine)			Europe: Russia Oceania:Australia.
5.	*Phyllocoptruta oleivora* Ashmead; (=*Ariphyes oleivorus* =*Phyllocoptes oleivorus* =*Phyllocoptrata oleivorus* =*Typhidromus oleivorus*); Prostigmata: Eriophyidae; citrus rust mite, buckskin, mite lemons	II	*Citrus* spp. (jeruk, orange)	daun, buah, batang	Indonesia: Jawa Africa: Angola, Congo, Kenya, Madagascar, Malawi, Mauritania, Mauritius, Mozambique, Nigeria, Senegal, South Africa, Tanzania, Uganda, Zambia America:Argentina, Bermuda, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Jamaica, Mexico, Peru, Puerto Rico, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: China, India, Iran, Israel, Japan, Jordania, Lebanon, Malaysia, Philippines, Syria, Taiwan, Thailand, Vietnam Europe: Cyprus, Italy, Malta, Croatia, Bosnia and

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					Herzegovina, Serbia, Montenegro, Slovenia, Macedonia Oceania: Australia, Cook Islands, Fiji, New Zealand	
6.	*Raoiella indica* Hirst; Prostigmata: Tenuipalpidae; red palm mite,coconutmite, frond crimson mite, leaflet false spider mite, red date palm mite, scarlet mite	II	*Areca catechu* (pinang, Betelnut palm), *Cocos nucifera* (Kelapa, coconut),*Dictyosperma album,Heliconia* sp. (flower banana), *Musa* spp. (pisang, banana), *Phoenix dactylifera* (date palm), Acer (maple), *Acoelorrhaphe wrightii, Adoniidia arecina, Aiphanes minima, Aiptinia purpurata* (red ginger), *Alpinia vittata, Alpinia zerumbet, Archontophoenix alexandrae, Arenga pinnata* (sugar palm), *Bactris plumeriana, Beccariophoenix madagascariensis, Bismarckia nobilis, Butia capitata, Calathea arundinacea* (variegated calatea), *Calathea lutea* (calathea), *Caryota mitis, Chamaedorea, Coccothrinax argentata, Coccothrinax mitaguana, Corypha umbtaculifera, Curcuma longa* (turmeric), Cycas,	buah, daun, batang, bagian tanaman di atas tanah	Indonesia: Jawa, Kalimantan (Tarakan), Ternate Selatan, Lombok Africa:Benin, Egypt, Mauritius, Reunion, Sudan, Tanzania America: Barbados, Brazil, Colombia, Cuba, Dominica, Dominican Republic, Grenada, guadaloupe, Haiti, Jamaica, Martinique, Mexico, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, United States Virgin Island, Venezuela Asia: India, Iran, Oman, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Thailand, United Arab Emirates	

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		Cyrtostahys renda, *Dypsis decaryi*, *Dypsis lutescens*, *Elaeis guineensis* (kelapa sawit, African oil palm), *Elaeondendron transvaalense*, *Ettingera elatior*, *Eucalyptus deglupta*, *Eugenia uniflora*, Heliconia, *Heliconia caribaea*, *Heliconia caribaea* x *bihai*, *Heliconia episcopalis*, *Heliconoa latispatha*, *Heliconia marginata*, *Heliconia psittacorum*, *Heliconia rostrata*, *Latania lontaroides*, *Licuala grandis*, *Licualaspinosa*, *Livistonis chinensis*, *Microcycas calocoma*, *Ocimum basilicum*, *Pandanus utilis*, Phaseolus, *Phoenix canariensis*, *Phoenix reclinata*, *Phoenix roebelenii*, *Phoenix rupicola*, *Pritchardia pacifica*, *Pritchardia vuylestekeana*, *Pseudophoenix vinifera*, *Ptychosperma elegans*, *Ptychosperma macarthuri*, *Ravenala madagascariensis*, *Renealmia alpinia*, *Renealmia aurantifera*, *Rhapis excelsa*, *Roystonea borinquena*, *Sabal black*		

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			\burmiana, *Sabal* mauritiiformis, *Schippia concolor, Strelitzia reginae, Syagrus romanzoffianum, Syagrus schizophylla, Thrinax radiata, Veitchia arecina, Veitchia merrillii, Washingtonia filifera, Washingtonia robusta, Wodyetia bifurcata,Zingiber officinale* (jahe, ginger), palmae	tanaman	
7.	*Tenuipalpus orchidarum* Parfitt; Prostigmata: *Tenuipalpidae*; red mite of orchid	II	Orchidaceae (anggrek, orchids)	tanaman	Indonesia: Jawa

III. KEONG (*SNAIL*) DAN SIPUT (*SLUG*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN / *GROUP*	INANG/ *HOSTS*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR / *GEOGRAPHICAL DISTRIBUTION*
1.	*Pilapolita*Jeshayes; (=*Ampularia pagoda*); Ampullariidae; Apple snail	II	*Oryzasativa*(padi, paddy), berbagai tumbuhan air tawar	tanaman	Indonesia:Sumatera, Jawa(Timur) Asia: Thailand, Kambodia, India, China
2.	*Pomaceainsularum*; Ampullariidae; Island apple snail	II	Tumbuhanair (aquaticplants), berbagai tipe vegetasi tanaman	tanaman, bagian tanaman	Indonesia:Kalimantan America: South America (Argentina, Brazil, Bolivia, Uruguay, Paraguay) Asia: Thailand

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IV. NEMATODA (*NEMATODES*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN / *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Aphelenchoides besseyi* (Christie); (=*Aphelenchoides oryzae* =*Asteroaphelenchoides besseyi*); Aphelenchida: Aphelenchoididae; pucuk putih padi / rice leaf nematode, white tip nematode of rice, summer crimp nematode	I: jika MP tidak diproses II. jika MP diproses	*Oryza sativa* (padi, paddy), *Fragaria ananassa* (stroberi, strawberry), *Oryza glaberrima* (African rice) *Allium cepa* (bawang bombay, onion), *Chrysanthemum morifolium* (krisan, chrysanthemum), *Colocasia esculenta* (talas, taro), *Cyperus iria* (rice flatsedge), *Digitaria sanguinalis* (large crabgrass), Dioscorea (yam), *Dioscorea trifida* (cushcush yam), *Glycine max* (kedelai, soyabean), Hibiscus (rosemallows), *Ipomoea batatas* (ubi jalar, sweet potato), *Polianthes tuberosa* (tuberose), *Zea mays* (jagung, corn), *Oryza breviligulata, Setaria*	biji, umbi, daun, stolon, batang, tanah	Indonesia: Sumatera, Jawa, Kalimantan (Selatan). Africa: Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo, Ivory Coast, Egypt, Gabon, Gambia, Ghana, Guinea, Kenya, Madagascar, Malawi, Mali, Nigeria, Senegal, Sierra Leone, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe. America: Brazil, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Mexico, Panama, USA, Hawaii Asia: Afghanistan, Azerbaijan, Bangladesh, Cambodia, China, Georgia, India, Iran, Japan, North Korea, South Korea, Kyrgyzstan, Laos, Malaysia,

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		viridis(green foxtail)			Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Tajikistan, Thailand, Turkey, Uzbekistan, Vietnam. Europe: Bulgaria, Hungary, Italy, Russia, Slovakia, Ukraine Oceania: Australia, Cook Islands, Fiji, Papua New Guinea.
2.	*Aphelenchoides fragariae* (Ritzema Bos) (Chriestie); (=*Aphelenchoides olesistus*=*A. olesistus* var. *longicollis* =*A. pseudolesistus* =*Aphelenchus fragariae* =*A. olesistus* =*A. olesistus* var. *longicollis* =*A. pseudolesistus*); Aphelenchoididae; bud and leaf nematode, fern nematode, strawberry crimp nematode, strawberry spring dwarf nematode	I: jika MP tidak diproses II. jika MP diproses	*Fragaria ananassa* (stroberi, strawberry), *Lilium* spp., *Anthurium andreanum*, *Rhododendron* spp. (azaleas), *Barleria cristata*(philippine violet), *Begonia* spp., *Chloranthus spicatus*, *Hibiscus rosa –sinensis* (kembang sepatu, china-rose), *Hosta* spp., *Hydrangea macrophylla*(French hydrangea), *Maranta leuconeura*(Banded arrowroot), Peony, *Pimpinella diversifolia*, *Primula* sp., *Psychotria nervosa*, *Rhododendron simsii*(Sim's azalea),	biji, buah, bunga, batang, stolon, daun, umbi, bagian vegetatif, pupuk kandang, tanah	Indonesia: Jawa (Barat/Bogor, Banten, Sukabumi, DKI Jakarta) America: Canada, Cuba, Mexico, USA Asia: China, India, Israel, South Korea, Kirgyztan, Japan, Turkey Europe: Belgium, Bulgaria, Denmark, Estonia, France, Germany, Hungary, Ireland, Italy, Latvia, Moldovia, Netherlands, Norway, Portugal, Poland, Russia, Slovakia, Spain, Switzerland, Sweden, Ukraine, UK Oceania: Australia, New Zealand, Papua New Guinea

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		Ruscus hypophyllum, Saintpaulia ionantha (African violet), *Saxifraga* spp.(saxifrage), *Tolmiea menziesii*(pick-a-back plant), *Veronica arvensis*(Corn speedwell), *Viola odorata*(English violet), *Wulfenia carinthiaca*, *Andrographis paniculata* (sambiloto, king of bitter plant)		
		Cornus Canadensis(creeping dogwood), *Ficus carica* (ara, fig), *Ficus macrophylla*(moreton Bay fig), *Lamium maculatum*(Spotted deadnettle), *Prunus persica* (persik, peach), *Anigozanthos* sp., *Allium ascalonicum* (bawang merah, shallot), *Allium sativum* (bawang putih, garlic), *Avena sativa* (oat, oats), *Ipomoea batatas* (ubi jalar, sweet potato), *Asplenium nidus* (bird's-nest fern), *Capsella bursa-pastoris*(shepherd's purse), *Chenopodium*		

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			album(fat hen), *Cobotium chamissoi, Erigeron annuus*(annual fleabane), *Ficus elastic*(rubber plant), Western Sword-fern, *Polygonum blumei*(tufted knotweed (USA)), *Pteris* spp., *Rorippa atrovirens, Senecio vulgaris, Solanum nigrum*(black nightshade), *Stellaria media*(common chickweed), *Ageratum conyzoides* (babadotan), *Acalypha lanceolata* (pulus hayam), *Oxalys septum* (calincing), *Borreria* sp., *Linderia* sp. (gulma daun sirih), *Pleocnemia* sp.		
3.	*Ditylenchus angustus* (Bul)1.; (=*Anguillulina angusta* =*Tylenchus angustus*);Anguinidae; rice stem nematode, ufra disease	I: jika MP tidak diproses II. jika MP diproses	*Oryza sativa* (padi, paddy, rice) *Echinochloa colona* (junglerice), *Leersia hexandra* (southern cut grass), *Sacciolepsis interrupta*	biji, bunga, daun, bibit, batang, jerami, tanah	Indonesia:Jawa, Kalimantan (Selatan). Asia: Bangladesh, India, Malaysia, Myanmar, Philippines, Thailand, Vietnam.
4.	*Globodera pallida* (Stone) Mulvey & Stone; (=*Heterodera pallida*); Heteroderidae; white cyst nematode, pale potato cyst	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato), *Lycopersicum esculentum* (tomat, tomato), *Solanum melongena* (terung,	umbi, alat pertanian, pupuk organik, tanah	Indonesia: JawaTengah (Dieng, Cilacap, Banjarnegara); Jawa Barat (Bandung), Jawa Timur (Batu, Malang)

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nematode, potato cyst nematode, potato root eelworm		eggplant) Datura (thorn-apple), *Datura stramonium* (kecubung, jimsonweed), *Hyoscyamus niger* (black henbane), *Lycopersicon pimpinellifolium*(currant tomato), *Oxalis tuberosa*, *Solanum acaule*, *Solanum americanum*, *Solanum aviculare* (kangaroo apple), *Solanum cardiophyllum*, *Solanum ehrenbergii*, *Solanum gilo*(gilo), *Solanum indicum*, *Solanum mauritianum*(tree tobacco), *Solanum marginatum*(white-edged nightshade), *Solanum nigrum*(black nightshade), *Solanum oplocense*, *Solanum quitoense*(Narangillo), *Solanum sarrachoides* (green nightshade (UK)), *Solanum scabrum*, *Solanum spegazzinii*, *Solanum aviculare*, *Solanum sarrachoides*.		Africa: Algeria, Tunisia, America: Argentina, Bolivia, Canada, Chile, Columbia, Costa Rica, Falkland Islands, Ecuador, Panama, Peru, Venezuela, USA Asia: India, Iran, Pakistan, Turkey Europe: Austria, Belgium, Netherlands, Bosnia-Hercegovina, Bulgaria, Czech Republic, Croatia, Cyprus, Denmark, France, Faroe Islands, Greece, Hungary, Ireland, Italy, Iceland, Germany, Latvia, Lithuania, Luxembourg, Malta, Moldova, Norway, Poland, Portugal, Romania, Serbia, Spain, Slovenia, Sweden, Switzerland, UK, Ukraine Oceania: New Zealand.	

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5.	*Globodera rostochiensis* (Wollenweber) Mulvey & Stone; (=*Heterodera scachtii solani* = *H. Scachtii rostochiensis* =*H. Rostochiensis* = Heteroderidae; nematoda sista (kentang) / golden cyst nematode, potato golden nematode	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato), *Lycopersicum esculentum* (tomat, tomato), *Solanum melongena* (terung, eggplant) *Datura stramonium*(jimsonweed), *Lycopersicon pimpinellifolium* (currant tomato), Solanum (nightshade), *Solanum aviculare* (kangaroo apple), *Solanum gilo* (gilo), *Solanum indicum* (Indian Nightshade), *Solanum marginatum* (white-edged nightshade), *Solanum mauritianum* (tree tobacco), *Solanum nigrum* (black nightshade), *Solanum quitoense* (Naranjillo), *Solanum sarrachoides*(green nightshade (UK))	biji, umbi, akar akar, tanah, umbi, batang	Indonesia: Jawa Barat (Bandung), Jawa Tengah (Banjarnegara), Jawa Timur (Batu, Malang) Sulawesi Selatan (Jeneponto, Gowa) Africa: Algeria, Egypt, Libya, Sierra Leone, South Africa, Tunisia. America: Bolivia, Canada, Chile, Colombia, Ecuador, Mexico, Panama, Peru, USA, Venezuela. Asia: Armenia, India, Iran, Japan, Lebanon, Oman, Pakistan, Philippines, Sri Lanka, Tajikistan, Turkey. Europe: Albania, Austria, Belarus, Belgium, Bosnia-Hercegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK, Scotland Oceania: Australia, New Zealand, Norfolk Island.

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6.	*Hemicriconemoides mangiferae*Siddiqi; (=*Hemicriconemoides birchfieldi*) Criconematidae; sheath nematode	I: jika MP tidak diproses II. jika MP diproses	*Citrus* spp. (jeruk, orange), *Nephelium litchii* (leci, lychee), *Mangifera indica* (mangga, mango), *Musa* spp. (pisang, banana), *Zea mays* (jagung, corn), rumput-rumputan (Poaceae) Alnus (alders), *Ananas comosus* (nenas, pineapple), *Artocarpus heterophyllus* (nangka, jackfruit), *Artocarpus integer* (cempedak, champedak), *Anacardium occidentale* (cashew nut), *Bambusa vulgaris* (bambu, common bamboo), *Carica papaya* (pepaya, papaya, papaw), *Cocos nucifera* (kelapa, coconut), *Dimocarpus longan* (longan tree), *Eriobotrya japonica* (loquat), *Gossypium hirsutum* (Bourbon cotton), *Grewia asiatica* (phalsa), *Manihot esculenta* (ubi kayu, cassava), *Manilkara zapota* (sawo, sapodilla), *Persea americana*	akar, bibit, bonggol, tanah	Indonesia: Jawa. Africa:Ivory Coast, Egypt, Ghana, Nigeria, South Africa, Sudan. America: Brazil, Costa Rica, Cuba, Dominica, Ecuador, Grenada,Mexico, Peru, Saint Kitts and Nevis, Saint Lucia, Trinidad and Tobago, USA, Venezuela. Asia:Bangladesh, Brunei Darussalam, China, India, Iran, Israel, South Korea, Oman, Pakistan, Philippines, Saudi Arabia, Thailand, Vietnam. Oceania:American Samoa, Fiji, New Caledonia, Papua New Guinea, Samoa, Tonga.	

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		(avokad, avocado) *Phoenix dactylifera* (date-palm), Piper (pepper), *Prunus armeniaca* (aprikot, apricot), *Psidium guajava* (jambu biji, guava), Rosa (mawar, roses), *Saccharum officinarum* (tebu, sugarcane), Salix (willows), *Theobroma cacao* (kakao, cocoa), *Umbellularia californica*(California laurel), *Vitis vinifera* (grapevine), *Zea mays* (jagung, corn)		
7.	*Heterodera glycines* (Ichinohe); Heteroderidae; soyabean cyst nematode	I: jika MP tidak diproses II. jika MP diproses	*Glycine max* (kedelai, soyabean) *Aeschynomene indica* (Indian jointvetch), *Beta vulgaris* (bit, beetroot), *Cajanus cajan* (kacang gude, pigeon pea), Fabaceae, Geranium, *Kummerowia striata* (Japanese lespedeza), *Lamium amplexicaule* (henbit deadnettle), *Lamium purpureum* (purple deadnettel), *Lespedeza cuneata*	akar, umbi, bibit, pupuk organik, peralatan pertanian, tanah	Indonesia: Jawa, Sumatera (Lampung). Africa: Egypt. America: Argentina, Brazil, Canada, Colombia, Ecuador, Paraguay, Puerto Rico, USA. Asia: China, India, Iran, Japan, South Korea, North Korea, Mongolia. Europe: Italy, Russia

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			(sericea lespedeza), Lupinus (lupins), *Lupinus albus* (white lupine), *Lycopersicon esculentum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), Penstemon, *Phaseolus vulgaris* (buncis, common bean), *Pisum sativum* (kapri, sweet pea), *Sesbania exaltata* (coffeebean (USA)), *Stellaria media* (common chickweed), *Verbascum thapsus*(Aaron's-rod), *Vicia villosa*, *Vigna acontitifolia* (moth beans), *Vigna angularis* (adzuki bean), *Vigna mungo* (black gram), *Vigna radiata* (mung bean)		
8.	*Macroposthonia onoensis*;Criconematidae; ring nematode	I: jika MP tidak diproses II. jika MP diproses	*Syzygium aromaticum* (cengkeh, clove), Citrus, *Mangifera indica* (mangga, mango)	akar, tanah	Indonesia: Jawa, Sumatera (Selatan, Lampung). America: Trinidad, Tobago. Asia: India.
9.	*Meloidogynegraminicola*(Sledge&Golden) Whitehead;Meloidogynidae;rice rootknot nematode	I: jika MP tidak diproses II. jika MP diproses	*Oryzasativa*(padi,paddy), Poaceae (grasses), Sereal ia *Allium cepa* (bawangbombai, onion),	akar, tanah	Indonesia: Jawa(Yogyakarta, Tengah). Africa:South Africa America:Brazil,

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		Alopecurus (foxtails), *Ammania pentandra*, Andropogon (beardgrass), Blumea, Brassica, *Brassica oleracea* var. *capitata* (kubis, cabbage), *Cynodon dactylon* (Bermuda grass), *Cyperus imbricatus* (shingle flatsedge), *Cyperus procerus*, *Cyperus pulcherrimus*, *Cyperus rotundus* (purple nutsedge), *Digitaria filiformis* (slender crabgrass), *Echinochloa colona* (junglerice), *Echinochloa crus-galli* (barnyard grass), *Eleusine coracana* (finger millet), *Eleusine indica* (goose grass), *Fimbristylis complanata*, *Fimbristylis dichotoma* (tall fringe rush), *Fimbristylis littoralis* (lesser fimbristylis), *Fuirena glomerata*, *Glycine max* (kedelai, soyabean), *Grangea madraspatensis*, *Hordeum vulgare* (barli, barley), *Ischaemum*		Colombia,USA Asia:Bangladesh,China, India,Laos,Malaysia,Myanmar,Nepal, Pakistan,Philippines,Singapore, Sri Lanka, Thailand,Vietnam	

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				rugosum (saramollagrass), Ludwigia (waterprimrose), *Monochoria vaginalis* (pickerel weed), *Panicum miliaceum* (millet), *Panicum repens* (torpedo grass), *Paspalum scrobiculatum* (ricegrass paspalum), *Phyllanthus urinaria* (leafflower), *Poa annua* (annual meadowgrass), Ranunculus (Buttercup), *Scirpus articulatus*, *Sorghum bicolor* (sorgum, sorghum), Sphaeranthus, *Sphenoclea zeylanica* (wedgewort), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn)	
10.	*Meloidogyne hapla* (Chitwood); Meloidogynidae; northern root knot nematode	I: jika MP tidak diproses II. jika MP diproses		*Actinidia chinensis* (Chinese gooseberry), *Arachis hypogaea* (kacang tanah, groundnut), *Beta vulgaris* var. *saccharifera* (sugarbeet), *Cichorium intybus* (chicory), *Daucus carota* (wortel, carrot), *Fragaria ananassa*	akar, stolon, polong, umbi, tanah	Indonesia: Jawa Africa: Algeria, Ivory Coast, Egypt, Kenya, Libya, Malawi, Morocco, Nigeria, South Afrika, Tanzania, Uganda, Zimbabwe America: Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Panama,

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		(stroberi, strawberry), *Glycine max* (kedelai, soyabean), *Lycopersicon esculentum* (tomat, tomato), *Medicago sativa* (alfalfa, lucerne), *Pelargonium* (Pelargoniums), *Rosa* (Mawar, rose), *Solanum tuberosum* (kentang, potato), *Tanacetum cinerariifolium* (Phyretrum), *Trifolium* (clover) *Allium cepa* (bawang bombay, onion), *Anemone* (windflower), *Beta*, *Brassica napus* var. *napus* (rape), *Brassica oleraceae* var. *capitata* (kubis, cabbage), *Cajanus cajan* (kacang gude, pigeon pea), *Camellia sinensis* (teh, tea), *Capsicumannuum* (bell peper), *Chenopodium quinona* (quinona), *Chrysanthemum* spp. (daisy), *Coffea* (kopi, coffee), *Cucumis* (melon, melons, cucumbers, gerkins), *Cyclamen*,		Paraguay, Peru, Uruguay, USA, Venezuela Asia: Armenia, China, Taiwan, India, Iran, Israel, Japan, Kazakhstan, South of Korea, Kyrgyzstan, Malaysia, Mongolia, Pakistan, Philippines, Sri Lanka, Taiwan, Tajikistan, Thailand, Turkey, Turkmenistan, Uzbekistan Europe: Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Macedonia, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Switzerland, Serbia, Slovenia, Croatia, Montenegro, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand, Norfolk Island, Papua New Guinea

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		Dianthus caryophillus (Carnation), *Fabaceae* (leguminous plants), *Lactuca sativa* (selada, lettuce), *Linum usitatissimum* (flax), *Mentha* (mints), *Nicotiana tabacum* (tembakau, tobacco), *Olea europeae* subsp. *Europeae* (zaitun, olive), *Phaseolus* (kacang, beans), *Raphanus sativus* (radish), *Rubus* (blackberry, raspberry), *Sinapsis alba* (white mustard), *Solanum* (nightsade), *Vicia* (vetch), *Vitis vinifera* (anggur, grapevine)			
11.	*Pratylenchus brachyurus* (Godfrey) Filipjev & Schuurmans Stekhoven; (=*Pratylenchus pratensis*); Pratylenchidae; smooth headed nematode, root lesion nematode	I: jika MP tidak diproses II. jika MP diproses	*Arachis hypogea* (kacang tanah, peanut), *Ananas comosus* (nenas, pineapple), *Zea mays* (jagung, corn), *Glycine max* (kedelai, soyabean), *Solanum tuberosum* (kentang, potato), *Camellia sinensis* (teh, tea), *Vigna cylindrica* (kacang panjang, long bean), *Citrus* spp. (jeruk, orange), *Coffea* spp.	akar, polong, umbi, tanah	Indonesia: Sumatera (Aceh dan Sumatera Barat), Jawa. Africa: Cameroon, Ivory Coast, Egypt, Guinea, Kenya, Madagascar, Malawi, Nigeria, South Africa, Togo, Uganda, Zimbabwe. America: Belize, Bolivia, Brazil, Canada, Costa Rica, Cuba, French Guiana, Guatemala, Guyana, Mexico, Peru, Puerto Rico, USA, Hawaii, Venezuela

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		(kopi, coffee), *Gossypium hirsutum* (kapas, cotton), *Hevea brasiliensis* (karet, rubber tree), *Dacryodes edulis* (kenari, African pear), *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, paddy),*Persea Americana* (avokad, avocado), *Prunus persica* (persik, peach), *Saccharum officinarum* (tebu, sugarcane), *Theobroma cacao* (kakao, cocoa).			Asia: Georgia, India, Israel, Japan, Malaysia, Oman, Pakistan, Philippines, Singapore, Sri Lanka, Turkey, Vietnam. Europe: Bulgaria, Russia. Oceania: Australia, Fiji, Tonga.
12.	*Pratylenchus loosi* Loof, Pratylenchidae; rootlesion nematode, meadow nematode, Loos' root lesion nematode	I: jika MP tidak diproses II. jika MP diproses	*Camellia sinensis* (teh, tea), *Coffea* spp. (kopi, coffee) *Abelmoschus moschatus* (okra, lady's finger), *Citrus* spp. (jeruk, orange), *Cinnamomum camphora, Convallaria* spp., *Dioscorea* spp., *Diospyros kaki* (kesemek, persimmon), *Fragaria ananassa* (stroberi, strawberry), *Malus domestica* (apel, apple), *Mangifera indica* (mangga, mango), *Musa paradisiaca* (pisang	umbi, daun, bibit, batang, stolon, bonggol, akar, tanah	Indonesia: Jawa (Barat) Africa: Senegal. America:North America (USA, Florida), Central America and Caribbean (Guadeloupe), South America (Chile) Asia: Bangladesh, China, India, Japan, Iran, Sri Lanka, Taiwan Europe:Bulgaria Oceania:American Samoa, Australia, New South Wales, Cook Islands	

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		kepok, plantain), *Pisum sativum* (kapri, sweet pea), *Poncirus trifoliata*, *Prunus avium*, *Pyrus communis* (pir, pear), *Saccharum officinarum* (tebu, sugarcane), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), *Vigna cylindrica* (kacang tunggak, long bean), *Zea mays* (jagung, corn), *Acacia deccurens*, *Alternanthera sessilis*, *Artemisia vulgaris*, *Cassia alata*, *Catharanthus roseus*, *Cestrum*, *Cymbopogon nardus*, *Cyperus*, *Cyperus rotundus*, *Grevillea robusta*, *Hibiscus rosa-sinensis*, *Imperata cylindrica*, *Panicum repens*, *Sesbania cannabina*, *Solanum nigrum*, *Tagetes*, *Tecoma stans*, *Tephrosia*, *Tithonia diversifolia*		

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V. GULMA (*WEEDS*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Asystasia gangetica* (Nees) Ensermu; (=*Asystasia intrusa*);Acanthaceae; chinese violet	II	Tanaman perkebunan (plantation crops), *Elaeis guineensis* (kelapa sawit, oil palm), *Hevea brasiliensis*(karet,rubber)	Indonesia: Sumatera, Jawa (Barat), Kalimantan (Timur, Barat) Africa: Daerah Tropis dan Sub Tropis. Asia: India, Sri Lanka, Malaysia, Singapore Oceania: Guam
2.	*Cuphea balsamona* Cham. & Schltdl.; (=*Cuphea carthagenensis*); Lythraceae; sete sangrias, colombian wackweed	II	*Solanum tuberosum*(kentang,potato), *Brassicaoleracea*(cabbage),*Daucuscarot a*(wortel,carrot), tanaman sayuran (*vegetable crops*)	Indonesia: Sulawesi Tengah, Jawa Barat, Sumatera Barat America: Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana, Central America, Southern USA Asia: China, Malaysia
3.	*Rivina humilis* L.;(=*Rivina laevis*); Phytolaccaceae; pigeonberry, rouge plant, baby peppers, bloodberry, coralito	II	Tanaman perkebunan (plantation crops)	Indonesia: Jawa, Sumatera, Bali America: Southern USA, Karibia, Central America, South America.

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VI. CENDAWAN (*FUNGAL/ FUNGAL LIKE ORGANISM/ PSEUDOFUNGI*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA / *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	[a]: - [s]: *Ceratocystisfimbriata*Ellis & Halst.; (=*Ceratostomella fimbriata* (Ellis & Halst.) J.A. Elliott =*Endoconidiophora fimbriata* (Ellis & Halst.) R.W. Davidson =*Ophiostoma fimbriatum* (Ellis & Halst.) Nannf. =*Sphaeronaema fimbriatum* (Ellis & Halst.) Sacc. =*Rostrella coffeae* Zimm. =*Ophiostoma coffeae* (Zimm.) Arx. =*Ceratocystis moniliformis* f.sp. *coffeae* (Zimm.) =C. Moreau) Ascomycota, Pezizomycotina, Sordariomycetes; Ceratocystis wilt, cancer, or rot, blight, black rot of sweet potato, mouldy rot of rubber, trunk and branck canker of coffee, Penyakit layu,atau kanker, atau busuk, hawar	I: jika MP tidak diproses II. jika MP diproses	*Acacia decurrens* (green wattle), *Acacia mangium* (brown salwood), *Acacia mearnsii* (black wattle), Alocasia, Annona, *Cajanus cajan* (pigeon pea), *Camelia sinensis* (teh, tea), *Carya cordiformis* (bitternut hickory), *Cassia javanica* (pink shower), Citrus, *Citrus aurantium* (sour orange), Coffea (coffee), *Coffea arabica* (arabica coffee), *Coffea canephora* (robusta coffee), *Colocasia esculenta* (taro), *Crotalaria juncea* (sunn hemp),Cortalaria, *Daucus carota* (carrot), *Erythrina* spp., Eucalyptus (Eucalyptus tree), Fagus (beeches), *Ficus carica* (fig), *Gmelina arborea* (candahar), *Hevea brasiliensis* (rubber), Hevea, *Ipomoea batatas* (sweet potato), Ipomoea, *Mangifera indica* (mango), *Manihot*	umbi, buah, media tanam, daun, bibit, akar, batang	Indonesia: Jawa, Kalimantan,Sumatera (Aceh, Riau). Africa: DR Congo, Ivory Coast, Ghana, Seychelles, South Africa, Uganda. America: Brazil, Canada, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Hawaii, Venezuela. Asia: Brunei Darussalam, Cambodia, China, Taiwan, India, Japan, Korea DPR (North Korea), Korea Republic of (South Korea), Malaysia, Myanmar, Philippines, Thailand,

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			esculenta (cassava), Metroxylon, *Myristica fragrans* (pala), *Pimenta dioica* (Allspice), Populus (poplars), Prunus (stone fruit), *Prunus armeniaca* (apricot), *Prunus dulcis* (almond), *Punica granatum* (pomegranate), *Spathodea campanulata* (African tulip tree), *Syngonium auritum*, *Syngonium podophyllum* (Arrowhead vine), *Theobroma cacao* (cocoa), Xanthosoma (cocoyam)		Vietnam. Europe: France, Italy, Poland, Portugal, Switzerland, UK. Oceania: American Samoa, Australia, Fiji, New Zealand, Papua New Guinea, Samoa, Solomon Islands.
2.	[a]: - [s]: *Phoma lingam* (Tode ex Fr.)Desm.; (=*Phoma brassicae* Thüm. =*Phoma lingam* (Tode) Desm. =*Phoma oleracea* Sacc. =*Phome napobrassicae* Rostr. =*Phyllosticta brassicae* (Curr.) Westend. =*Phyllosticta napi* Sacc. =*Plenodomus lingam* (Tode) Höhn. =*Pleospora maculans* (Desm.) Tul. =*Sphaerialingam* (Tode) Fr. =*Aphosphaeria brassicae* Thum =*Depazea brassicicola* Desm.	I: jika MP tidak diproses II. jika MP diproses	*Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica* spp., *Argemone mexicana*, *Astragalus adsurgens*, *Avena sativa*, *Beta vulgaris*, *Cardamine bellidifolia*, *Clematis vitalba*, *Eucalyptus globulus*, *Gentiana cruciata*, *Hibiscus rosa-sinensis*, *Iberis umbellata*, *Lobularia maritima*, *Lolium perenne*, *Matthiola incana*, *Raphanus raphanistrum*, *R. sativus*, *R. sativus* var. *sativus*, *Secale cereale*, *Sinapsis alba*, *Sisymbrium* sp.	biji, daun, akar, batang	Indonesia: Jawa, Sumatera (barat), Sulawesi (Selatan, Utara) Africa: Egypt, Ethiopia, Kenya, Mozambique, Nigeria, South Africa, Zambia, Zimbabwe. America: Argentina, Brazil, Canada, Costa Rica, El Salvador, Guadeloupe, Mexico, Panama, Puerto Rico, USA, Hawaii. Asia: Armenia, China, Taiwan, Georgia (Republic), India, Iran, Israel, Japan, Kazakhstan, Korea DPR (North Korea),

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	=*Depazea vagans* var. *brassicae* J.J. Kickx =*Septoria brassicae* Westend. & Wallays =*Phoma densiuscula* Sacc. & Roum. =*Phoma lingam* var. *napobrassicae* (Rostr.) Grove =*Plenodomus rabenhorstii* Preuss =*Sclerotium sphaeriaeforme* Lib. =*Phyllosticta turritis* Lobik) =*Leptosphaeria maculans* (Desm.) Ces. & De Not.; (=*Sphaeria maculans*(Desm.) Sowerby ex Berk. & Broome) Ascomycota, Pezizomycotina, Dothideomycetes; Pangkal batang hitam(black leg), canker, dry rot, leaf spot				Korea Republic of (South Korea), Kyrgyzstan, Malaysia, Pakistan, Philippines, Taiwan, Thailand, Turkey. Europe: Austria,Belarus, Belgium, Bulgaria, Czech Republic and Slovakia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK, Scotland. Oceania: Australia, New Caledonia, New Zealand, Papua New Guinea.
3.	[a]:-[s]:*Phoma phaseoli*Desmaz; (=*Phoma subcircinata* Ellis & Everh. =*Phoma subcirnata* =*Phomopsis phaseoli* =*Sphaeria phaseolorum* Cooke & Ellis =*Diaporthe phaseolorum* (Cooke & Ellis) Sacc; =*Diaporthe batatas* Harter & E.C. Field	I: jika MP tidak diproses II. jika MP diproses	*Phaseolus vulgaris* (kacang panjang, common bean), *Phaseolus* spp., *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), Capsicum sp., *Glycine max* (kedelai, soybean), *Helianthus annuus* (bunga matahari, sunflower), *Vicia faba* (faba bean)	biji, daun, batang, media tanam	Indonesia: Jawa (Bogor) Africa: South Africa America: Argentina, USA Asia: India Europe: Hungary,Italy, Romania Oceania:Australia, New Zealand

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	=*Diaporthe phaseolorum* var. *batatatis* (Harter & E.C. Field) Wehm.) Ascomycota, Pezizomycotina, Dothideomycetes; Lima bean pod blight, leaf spot of Lima bean, bean pod blight, bean stem blight, bean stem canker		*Brachyglottis repanda*		
4.	[a]: - [s]: Phomopsis vexans (Sacc. & P. Syd.) Harter(1914); (=Phoma vexans Sacc. & P. Syd. (1899)=*Diaporthe vexans* (Sacc. & P. Syd.) Gratz; =*Ascochyta hortorum* (Speg.) C.O. Sm. =*Phoma solani* Halst. 1892 =*Phoma vexans* Sacc. & P. Syd. =*Phyllosticta hortorum* Speg.) Ascomycota, Pezizomycotina, Sordariomycetes; Blight of eggplant, Phomopsis rot of eggplant, brown spot of eggplant, fruit rot of eggplant, tipover of eggplant	I: jika MP tidak diproses II. jika MP diproses	*Solanum melongena* (terung, eggplant, aubergine) *Solanum aculeatissimum*, *Solanum incanum* (grey bitter-apple), *Solanum nigrum* (black nightshade), *solanum torvum* (turkey berry), *Solanum virginianum*	buah, batang, cabang, ranting, daun, biji, bunga, media tanam	Indonesia: Jawa (Barat, Tengah, Timur) Africa: Algeria, Kenya, Mauritius, Senegal, Seychelles, South Africa, Tanzania, Zambia, Zimbabwe America:Antigua and Barbuda, Argentina, Barbados, Bermuda, Brazil, Canada,Colombia, Costa Rica, Cuba, Dominican Republic, El Savador, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Mexico, Panama, Puerto Rico, United States Virgin Island, USA, Venezuela Asia:Bangladesh, Brunei Darussalam, China, India, Iran, Irak, Japan, Jordan, Korea Republic of, Laos, Malaysia, Maldives,

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						Myanmar, Pakistan, Philippines, Saudi Arabia, Taiwan Europe: Romania Oceania:Australia, Fiji, French Polynesia, Guam, New Caledonia
5.	[a]: - [s]: *Synchitrium pogostemonis*S.D. Patil & Mahab. Chytridiomycota, Chytridiomycetes; Kutil (Wart)	I: jika MP tidak diproses II. jika MP diproses	*Pogostemoncablin* (Nilam)	batang, daun		Indonesia: Jawa, Sumatera, Sulawesi
6.	[a]: - [s]:*Ustilago scitaminea*Syd. (Sydow); (=*Sporisorium scitamineum* (Syd.) M. Piepenbr., M. Stoll & Oberw. =*Ustilago sacchari* Rabenh) Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; Sugarcane pecut api, Sugarcane smut	I: jika MP tidak diproses II. jika MP diproses	*Saccharum officinarum* (tebu, sugarcane)	bunga, daun, batang,		Indonesia: Jawa, Sulawesi (Selatan) Africa: Burkina Faso, Cameroon, Chad, Congo, DR Congo, Ivory Coast, Egypt, Ethiopia, Ghana, Kenya, Madagascar, Malawi, Mali, Mauritius, Morocco, Mozambique, Niger, Nigeria, Réunion, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe. America: Argentina, Barbados, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador,

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					Former USSR, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Paraguay, Puerto Rico, Portugal, Saint Kitts and Nevis, Suriname, Trinidad and Tobago, USA, Hawaii, Uruguay, Venezuela.
7.	[a]: *Alternaria cucumerina*(Ell. & Ev.) Elliott.; (=*Macrosporium*	I: jika MP tidak diproses	Cucurbitaceae, *Citrullus lanatus* (semangka, watermelon), *Cucumis melo*	biji, daun, buah	Asia: Afghanistan, Bangladesh, Cambodia, China, Taiwan, India, Iran, Japan, Kazakhstan, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Turkmenistan, Vietnam. Europe: Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Portugal. Oceania: Australia, Fiji.
					Indonesia: Jawa (Barat) America: Argentina, USA Asia: India

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		(chrysanthemum (florists), *Cirsium arvense* (creeping thistle), *Cichorium intybus* (chicory), *Citrullus colocynthis* (colocynth), *Citrullus lanatus* (semangka, watermelon), *Citrus aurantium* (jeruk nipis, lime), *Citrus sinensis* (navel orange), *Cleome viscosa* (yellow mesambay), *Clerodendrum inerme*, *Coleus blumei* (common coleus), *Convolvulus arvensis* (bindweed), *Convolvulus prostratus*, *Conyza bonariensis* (hairy fleabane), *Conyza canadensis* (Canadian fleabane), *Corchorus antichorus*, *Corchorus trilocularis*, *Cressa cretica*, *Croton sparciflorum*, *Cucumis tetragona*, Cucurbita (pumpkin), *Cucurbita moschata* (pumpkin), *Cuscuta reflexa* (dodder), *Cyamopsis tetragonoloba* (guar), *Cynodon dactylon* (Bermuda grass), *Cyperus rotundus* (purple nutsedge), *Dalbergia sissoo*, *Datura metel* (Hindu			

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		datura), *Daucus carota* (wortel, carrot), *Digera muricata Duranta erecta* (Pigeonberry), *Echinochloa colona* (junglerice), *Elettaria cardamomum* (cardamom), *Eleusine indica* (goose grass), *Emilia sonchifolia* (red tasselflower), *Encelia farinosa*, Enceliopsis, *Eragrostis minor*, Eriophyllum, *Eucalyptus camaldulensis* (red gum), Euphorbia (spurges), *Euphorbia cotinifolia*, *Euphorbia hirta* (garden spurge), *Euphorbia prostrata*, *Euphorbia trigona*, *Fagonia cretica*,*Ficus benghalensis* (banyan), *Ficus carica* (fig), *Ficus virens* (grey fig), Franseria, *Gardenia jasminoides* (cape jasmine), Gossypium (cotton), *Gossypium arboreum* (cotton tree),*Gossypium hirsutum* (kapas, cotton), *Grewia asiatica* (phalsa), *Hamelia patens*, Helianthus (sunflower), *Helianthus annuus* (bunga matahari, sunflower), Hibiscus		

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		(rosemallows), *Hibiscus rosa-sinensis*, *Heliotropium europaeum* (common heliotrope), *Heliotropium strigosum*,*Herissantia crispa*, *Hibiscus mutabilis* (cottonrose), *Hibiscus rosa-sinensis* (China-rose), *Ipomoea batatas* (ubi jalar, sweet potato), *Ipomoea cairica* (five-fingered morningglory), *Jacquemontia pentantha*, *Jasminum auspidatum*, *Jasminum sambac* (arabian jasmine),*Jatropha integerrima*, *Kallstroemia brachystylis*, *Lagenaria siceraria* (bottle gourd),*Lagerstroemia indica* (indian crape myrtle), *Lantana camara* (lantana), *Launia nudicaulis*, *Lawsonia inermis* (Egyptian privet), *Lepidium didymum*,*Luffa aegyptiaca* (loofah), *Lupinus* spp., *Lycium chinense* (chinese wolfberry), *Malva parviflora*, *Malvastrum coromandelianum*, *Malvaviscus arboreus* (wax mallow), *Mangifera indica*		

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		(mangga, mango), *Mentha longifolia, Mentha piperita* (Peppermint), *Morus alba* (murbei, mullberry),*Medicago polymorpha* (rough medick), *Melaleuca quinquenervia* (paperbark tree),*Melia azedarach* (Chinaberry), *Melilotus indica* (Indian sweetclover), *Momordica charantia* (bitter gourd),*Morus alba* (mora), *Nerium oleander* (oleander), *Nicotiana plumbaginifolia, Nicotiana tabacum* (tembakau, tobacco), *Ocimumbasilicum* (basil), Orobanche (broomrape), *Oxalis corniculata* (creep ing woodsorrel (USA)), Panax, Parthenium, *Partheniumhysterophorus* (parthenium weed), *Persicaria glabra, Phoenix dactylifera* (kurma, date-palm), *Punica granatum* (delima, pomegranate), *Phyllanthus niruri* (seed-under-the-leaf),Physalis (Groundcherry), *Physalis alkekengi, Piper betle* (betel		

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		pepper),*Plumeria rubra* var. acutifolia (Mexican *frangipani), Polyalthea longifolia, Polygonumbarbatum (knot grass), Portulacagrandiflora*(rose moss),*Portulaca oleracea* (purslane), *Quisqualis indica, Ricinus communis* (castor bean), *Rosa chinensis* (China rose), *Ruellia squarrosa,Rumex dentatus, Salsola baryosma, Salvadora oleoides, Salvia officinalis* (commonsage), *Sesamum indicum* (wijen, sesame), *Simmondsia chinensis* (jojoba), *Solanum* spp., *Sesbania sesban* (sesban), *Setcreasea pallida, Sida rhombifolia, Sida urens, Simmondsia chinensis* (jojoba),*Solanum elaeagnifolium* (silverleaf nightshade), *Solanum lycopersicum* (tomato), *Solanum melongena* (terung, aubergine, eggplant), *Solanum muricatum* (melon pear),*Solanum nigrum* (leunca, black nightshade),		

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			Solanum spp., *Solanum tuberosum* (kentang, potato), *Solanum virginianum*, *Sonchus oleraceus* (common sowthistle),Spermacoce, Suaeda (sea blite), *Suaeda nigra*, *Synsepalum dulcificum*, *TabernaeMontanadivaricata*, *Tagetes erecta* (African marigold), *Taraxacum officinale* complex (dandelion), *Tecoma stans* (yellow bells),*Tinospora cordifolia*,*Trianthema portulacastrum* (horse purslane), *Trianthema triquetra*, *Tribulus terrestris* (puncture vine), *Trigonella polycerata*, *Urena lobata* (caesar weed), *Verbena officinalis*, *Withania somnifera* (poisonous gooseberry), *Xanthium strumarium* (common cocklebur), *Zea mays* (jagung, corn), *Ziziphus mauritiana* (jujube)	batang, daun	Indonesia: Sumatera Asia: China, Malaysia. Europe: Bulgaria,Finland, Italy, Russian
32.	*Phragmataecia castaneae*Hubner;(=*Phragmata ecia castaneae*); Lepidoptera: Cossidae; giant	II	*Saccharum officinarum* (tebu, sugarcane), *Saccharum spontaneum* (glagah, wild sugarcane)	batang, daun	Indonesia: Sumatera Asia: China, Malaysia. Europe: Bulgaria,Finland, Italy, Russian

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	stem borer		Paspalum, *Saccharum robustum, Sorghum propineum*		
33.	*Phragmataecia gummata* Swinhoe.; (=*Phragmataecia parvipunctus*); Lepidoptera: Cossidae; giant stem borer	II	*Saccharum officinarum* (tebu, sugarcane), *Saccharum spontaneum* (glagah, wild sugarcane)	batang, daun	Indonesia: Sumatera Asia: Malaysia
34.	*Pineus boerneri* (Annand; (=*Pineus pini sensu lato*= *Anisophleba pini*= *Aphis pini* =*Kermaphis pini var. laevis* =*Kermes pini* =*Pineus hawrylenkoi* = *Pineus laevis* =*Pineus pini* = *Pineus simmondsi* =*Pineus sylvestris*); Hemiptera; Adelgidae; pine woolly aphid	II	*Pinus canariensis* (Canary pine), *Pinus caribaea* (Caribbean pine),*Pinus contorta* (lodgepole pine), *Pinus elliottii* (slash pine), *Pinus halepensis* (Aleppo pine),*Pinus hartwegii* (Hartweg pine),*Pinus kesiya* (khasya pine), *Pinus massoniana* (masson pine), *Pinus maximinoi* (thin-leaf pine), *Pinus montezumae* (montezuma pine), *Pinus mugo* (mountain pine), *Pinus muricata* (bishop pine), *Pinus oocarpa* (ocote pine), *Pinus patula* (Mexican weeping pine), *Pinus pinaster* (maritime pine), *Pinus pinea* (stone pine), *Pinus radiata* (radiata pine),*Pinus resinosa* (red pine), *Pinus sylvestris* (Scots pine),*Pinus taiwanensis* (Taiwan pine), *Pinus teocote* (twisted leaf	batang, kayu	Indonesia: Kalimantan, Sumatera, Jawa Africa: Ethiopia, Kenya, Malawi, Morocco, South Africa, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, USA (Hawaii), Chile Asia: China, Geogia (Republic of), Israel, Jordan, Kyrgyzstan, Lebanon, Malaysia, Pakistan, Taiwan, Turkey Europe: Czech Republic, Finland, France, Germany, Ireland, Italy, Lithuania, Netherlands, Poland, Spain, Slovakia Republic, Sweden, UK Oceania: Australia, New Zealand	

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			pine),*Pinus thunbergii* (Japanese black pine), *Pinus densiflora*,*Pinus merkusii*, *Pinus pungens*, *Pinus roxburghii*. *Pinus arizonica*, *Pinus canariensis*, *Pinus caribaea*, *Pinus clausa*, *Pinus cooperi*, *Pinus douglasiana*, *Pinus durangensis*, *Pinus echinata*, *Pinus engelmannii*, *Pinus glabra*, *Pinus greggii*, *Pinus hartwegii*, *Pinus lawsonii*,*Pinus leiophylla*, *Pinus maximinoi*, *Pinus michoacana*, *Pinus montezumae*, *Pinus occidentalis*, *Pinus palustris*, *Pinus patula*, *Pinus pinea*, *Pinus pseudostrobus*, *Pinus radiata*, *Pinus rigida*, *Pinus serotina*, *Pinus sylvestris*, *Pinus taeda*, *Pinus tauvanensis*, *Pinus teocote*, *Pinus virginiana* (scrub pine)		
35.	*Planococcus deceptor*Betn.; (=*Dactylopius coffeae* =*Dactylopius crotonis* =*Planococcus crotonis* = *P. lilacinus* =*P. tayabanus* =*Pseudococcus coffeae* =*P. crotonis* =*P. deceptor* =*P.*	II	*Annona muricata* (sirsak, soursop), *Bauhinia*(camel's foot), *Coffea* spp. (kopi, *coffee*), *Coffea arabica* (kopi arabika, arabica coffee), *Coffea canephora* (kopi robusta, robusta coffee),	batang, daun, akar, buah segar, tanaman	Indonesia: Jawa, Kalimantan, Lampung Africa: Comoros, Kenya, Madagascar, Mauritius, Reunion, Seychelles. America: Dominican Republic, El Salvador, Guyana, Haiti.

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tilacinus Cork =*P. tayabanus* =*Tylococcus mauritiensis*); Hemiptera: Pseudo coccidae; cacao mealybug, coffee mealybug		*Ceiba pentandra* (kapok randu, kapok), *Citrus* spp. (jeruk, orange), *Psidium guajava* (jambu biji, guava), *Theobroma cacao* (kakao, cocoa) *Annona squamosa* (srikaya, sweetsop), *Bambusa vulgaris* (common bamboo), *Brassica oleracea* var. *botrytis* (cauliflower), *Cocos nucifera* (kelapa, coconut), *Dioscorea* sp. (gembili, yam), *Mangifera indica* (mangga, mango), *Punica granatum*(delima, pomegranate), *Tamarindus indica* (asam jawa, tamarind), Vitis (grape)		Asia: Bangladesh, Brunei Darussalam, Cambodia, China, Cocos Islands, India, Japan, Laos, Malaysia, Maldives, Myanmar, Philippines, Sri Lanka, Taiwan,Thailand, Vietnam, Yemen. Oceania: Federated States of Micronesia, Guam, Northern Mariana Islands, Papua New Guinea.
36.	*Postelectrotermes militaris* Desneux; (=*Calotermes militaris* = *Neotermes militaris =Termes militaris)*; Isoptera: Kalotermidae; dry wood termite	II	*Camellia sinensis* (teh, tea) *Acacia decurrens*(green wattle), *Casuarina equisetifolia*(casuarina), Cedrus (cedars), *Cinnamomum camphora* (kamfer, camphor), *Cryptomeria japonica*(japanese cedar), *Erythrina subumbrans*(december tree), *Eucalyptus* spp., *Eucalyptus robusta*(swamp mahogany), *Grevillea robusta*(silky oak),	batang, akar	Indonesia: Jawa. Asia: Sri Lanka.

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		Stenocarpus salignus(beefwod), *Tephrosia vogelii*(vogel's tephrosia),			
37.	*Rhabdoscelus obscurus* Bolsd.; (=*Calandra obscura* =*Rhabdocnemis faustiR. interruptocostatus=R. maculata=R. nudicollis=R. obscura=R. promissus=R. maculatus=Rhabdoscelis obscura =Sphenophorus beccarii=S. insularis=S. interruptecostatus =S. nudicollis=S. promissus=S. sulcipes=S. tincturatus=S. obscurus*); Coleoptera: Dryophthoridae; beetle borer, cane weevil borer, New Guinea cane weevil borer, sugarcane weevil borer, New Guinea sugarcane weevil, Hawaiian sugarcane borer, cane weevil borer, New Guinea sugarcane weevil	II	*Saccharum officinarum* (tebu, sugarcane) *Areca catechu* (pinang, betelnut palm), Arecaceae (plants of the palm family), *Cocos nucifera* (kelapa, coconut), *Carica papaya* (pepaya, pawpaw, papaya), *Metroxylon sagu* (sagu, sago palm), *Musa* spp. (pisang, banana), *Musa x paradisiaca* (pisang kepok, plantain), Poaceae (grasses), *Strelitzia reginae* (Queens bird-of-paradise), *Zea mays* (jagung, corn)	batang	Indonesia: Maluku,Papua, Sulawesi, Nusa Tenggara Barat. America: USA (Hawaii). Asia: China, Christmas Island (Indian Ocean), Japan, Malaysia,Sri Lanka, Taiwan Oceania: American Samoa, Australia, Cook Islands, Federated States of Micronesia (Caroline Islands), Fiji, French Polynesia, Palau, Guam, Marshall Islands, Nauru, New Caledonia, Niue, Northern Mariana Islands, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu.
38.	*Sesamia grisescens*Warren.; Lepidoptera: Noctuidae; sesamia borer, pink sugarcane borer	II	*Saccharum officinarum* (tebu, sugarcane), *Oryza sativa* (padi, paddy), *Zea mays* (jagung, corn) *Megathyrsus maximus* (Guinea grass), *Pennisetum purpureum* (elephant grass),	batang	Indonesia: Papua, Maluku. Oceania: Papua New Guinea.

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		Saccharum edule, *Saccharum robustum*, *Saccharum spontaneum* (wild sugarcane)			
39.	*Sexava coriacea*Linn.; Orthoptera: Tettigoniidae; belalang sexava, sexava grasshopper	II	*Cocos nucifera* (kelapa, coconut) Orchidaceae (anggrek, orchids), *Asplenium nidus* (kadaka, bird's nest fern), *Salacca edulis* (salak, snake-skin palm), *Metroxylon sagu* (sagu, sago palm), *Arenga pinnata* (aren, sugar palm), *Areca catechu* (pinang, betelnut palm), *Musa* spp. (pisang, banana), *Pandanus* spp. (pandan), *Zingiber officinale* (jahe, ginger)	buah, tanaman, daun, rimpang, sabut, tanah.	Indonesia: Sulawesi, Kep. Sangihe, Talaud, Kep. Banggai, Maluku, Maluku Utara, Papua
40.	*Sexava karnyi* Lfs.; Orthoptera: Tettigoniidae; belalang sexava,sexava grasshopper	II	*Cocos nucifera* (kelapa, coconut) Orchidaceae (anggrek, orchids), *Asplenium nidus* (kadaka, bird's nest fern), *Salacca edulis* (salak, snake-skin palm), *Metroxylon sagu* (sagu, sago palm), *Arenga pinnata* (aren, sugar palm), *Areca catechu* (pinang, betelnut palm), *Musa* spp. (pisang, banana), *Pandanus* spp. (pandan), *Zingiber officinale* (jahe, ginger)	tanaman, buah, daun, rimpang, sabut, tanah	Indonesia: Sulawesi (Tengah: Kepulauan Togean & Una-una),)

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41.	*Sexava nubila* Stal.; Orthoptera: Tettigoniidae; belalang sexava, sexava grass hopper, coconut treehopper	II	*Cocos nucifera* (kelapa, coconut) Orchidaceae (anggrek, orchids), *Asplenium nidus* (kadaka, bird's nest fern), *Salacca edulis* (salak, snake-skin palm), *Metroxylon sagu* (sagu, sago palm), *Arenga pinnata* (aren, sugar palm), *Areca catechu* (pinang, betelnut palm), *Musa* spp. (pisang, banana), *Pandanus* spp. (pandan), *Zingiber officinale* (jahe, ginger)	tanaman, buah, daun, rimpang, sabut, tanah	Indonesia: Sulawesi (Utara), Kepulauan Sangihe dan Talaud, Maluku (Seram, Buru), Papua,, Biak, Papua Oceania: Papua New Guinea.
42.	*Thosea monolancha* Meyrick (= *Thosea moluccana*); Lepidoptera: Limacodidae	II	*Cocos nucifera* (kelapa, coconut), *Elaeis guineensis* (kelapa sawit, oil palm)	bagian tanaman	Indonesia: Sulawesi, Papua, Sumatera, Maluku, Maluku Utara Asia: Philippines Oceania: Papua New Guinea

II. TUNGAU (*MITES*)

No.	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Aceria guerreronis* Keifer; (=*Eriophyes guerreronis*); Prostigmata: Eriophyidae; coconut mite	II	*Cocos nucifera* (kelapa, coconut), *Sygarus romanzoffiana* (queen palm) *Borassus flabellifer* (toddy palm),*Lytocaryum weddellianum*	buah, bagian tanaman di atas tanah	Indonesia:Sulawesi, Kepulauan Riau, Kalimantan Timur, Ternate, Papua (Biak) Africa: Benin, Cameroon, Ivory Coast, Gambia, Mozambique, Nigeria, Sao

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					Tome & Principe, Tanzania, Togo America: Anguilla, Bahamas, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Mexico, Puerto Rico, Saint Lucia, Saint Vincent & the Grenadines, Trinidad and Tobago, USA, Venezuela, Costa Rica Asia: India, Malaysia, Maldives, Philippines, Sri Lanka, Oman Europe: Hungary, Poland Oceania: Australia
2.	*Calacarus carinatus*Green;(=*Calacarus adornatus* =*Eriophyes carinatus* =*Phyyocoptes carinatus* =*Phytoptus carinatus* =*Typhlodromus carinatus*)Eriophyidae, Arachnida; purple mite, purple tea mite, ribbed tea mite	II	*Camellia japonica, Capsicum* spp., *Viburnum* spp. *Camellia sinensis* (teh, tea)	tanaman dan bagian tanaman di atas tanah	Indonesia: Jawa, Sumatera Africa: Kenya, Mauritius America: USA Asia: Cambodia, Georgia (Republic), India, Indochina, Japan, Republic of Korea, Laos, Malaysia, Sri Lanka, Vietnam. Europe: Spain Oceania:Australia, New Zealand.
3.	*Eutetranychus orientalis* Klein.; (=*Anychus latus* =*A. orientalis* =*A.ricini* =*Eutetranychus anneckei* =*E. latus* =*E.monodi*	II	*Citrus, Abelmoschus esculentus* (okra, lady's finger), *Codiaeum variegatum, Carica papaya*	bagian tanaman di atas tanah	Indonesia: Sumatera, Jawa Barat Africa: Cape Verde, Egypt, Ethiopia, Kenya, Libya,

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=*E. sudanicus*); Prostigmata:Tetranychidae; citrus brown mite, oriental mite, oriental red mite, oriental spider mite		(pepaya, pawpaw, papaya), *Ficus carica* (ara, fig), *Gossypium barbadens* (kapas, cotton), *Morus alba* (murbei, mulberry), *Nephelium lappaceum* (rambutan, rambutan), *Plumeria*, *Ricinus communis*, *Solanum melongena* (terung, eggplant), *Phaleria macrocarpa* (mahkota dewa) *Manihot esculenta* (ubi kayu, cassava), *Musa paradisiaca* (pisang kepok, plantain), *Olea europea* subsp. *europea* (zaitun, olive), *Prunus amygdalus* (almon, almond), *Psidium guajava* (jambu biji, guava), *Caladium spp.* (keladi)		Malawi, Mali, Mauritania, Mozambique, Nigeria, Senegal, South Africa, Sudan, Swaziland Asia: Afghanistan, Bangladesh, China, India, Iran, Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Pakistan, Saudi Arabia, Thailand, Turkey, Yemen Europe: Cyprus, Greece, Spain Oceania: Australia
4. *Oligonychus coffeae* (Nietner); (=*Acarus coffeae* =*Matatetranychus bioculatus* =*Oligonychus bioculatus* =*O. merwei* =*Paratetranychus bioculatus* =*P. terminalis* =*Tetranychus bioculatus*)Prostigmata: Tetranychidae; tea red spider mite, red coffee mite	II	*Camellia sinensis*, *Coffea* spp. (kopi, coffee), *Coffea arabica*(kopi arabika, arabica coffee) *Anacardium occidentale*, *Citrus*, *Cinnamomum camphora*, *Corchorus capsularis*, *Elaeis guineensis*(kelapa sawit, oilpalm), *Eucalyptus globulus*, *Gossypium*, *Hevea brasiliensis*(karet, rubber	daun, tanaman	Indonesia: Jawa, Sumatera Africa:Congo, DR Congo, Egypt, Ethiopia, Kenya, Malawi, Mauritius, South Africa, Tanzania. America: Colombia, Costa Rica, Ecuador, USA Asia: Bangladesh, China, Georgia (Republic), India, Japan, Myanmar, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

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		tree), *Indigovera, Lagerstroemia, Manihot esculenta*(ubi kayu, cassava), *Mangifera indica*(mangga, mango), *Morus alba*(murbei, mulberry), *Vigna mungo, Ricinus communis*(jarak kepyar, castor oil bean), *Terminalia catappa, Vitis vinifera*(anggur grapevine)			Europe: Russia Oceania:Australia.
5.	*Phyllocoptruta oleivora* Ashmead; (=*Ariphyes oleivorus* =*Phyllocoptes oleivorus* =*Phyllocoptrata oleivorus* =*Typhidromus oleivorus*); Prostigmata: Eriophyidae; citrus rust mite, buckskin, mite lemons	II	*Citrus* spp. (jeruk, orange)	daun, buah, batang	Indonesia: Jawa Africa: Angola, Congo, Kenya, Madagascar, Malawi, Mauritania, Mauritius, Mozambique, Nigeria, Senegal, South Africa, Tanzania, Uganda, Zambia America:Argentina, Bermuda, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Jamaica, Mexico, Peru, Puerto Rico, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: China, India, Iran, Israel, Japan, Jordania, Lebanon, Malaysia, Philippines, Syria, Taiwan, Thailand, Vietnam Europe: Cyprus, Italy, Malta, Croatia, Bosnia and

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					Herzegovina, Serbia, Montenegro, Slovenia, Macedonia Oceania: Australia, Cook Islands, Fiji, New Zealand	
6.	*Raoiella indica* Hirst; Prostigmata: Tenuipalpidae; red palm mite,coconutmite, frond crimson mite, leaflet false spider mite, red date palm mite, scarlet mite	II	*Areca catechu* (pinang, Betelnut palm), *Cocos nucifera* (Kelapa, coconut),*Dictyosperma album,Heliconia* sp. (flower banana), *Musa* spp. (pisang, banana), *Phoenix dactylifera* (date palm), Acer (maple), *Acoelorrhaphe wrightii, Adoniidia arecina, Aiphanes minima, Aiptinia purpurata* (red ginger), *Alpinia vittata, Alpinia zerumbet, Archontophoenix alexandrae, Arenga pinnata* (sugar palm), *Bactris plumeriana, Beccariophoenix madagascariensis, Bismarckia nobilis, Butia capitata, Calathea arundinacea* (variegated calatea), *Calathea lutea* (calathea), *Caryota mitis, Chamaedorea, Cocothrinax argentata, Cocothrinax mitaguana, Corypha umbtaculifera, Curcuma longa* (turmeric), Cycas,	buah, daun, batang, bagian tanaman di atas tanah	Indonesia: Jawa, Kalimantan (Tarakan), Ternate Selatan, Lombok Africa:Benin, Egypt, Mauritius, Reunion, Sudan, Tanzania America: Barbados, Brazil, Colombia, Cuba, Dominica, Dominican Republic, Grenada, guadaloupe, Haiti, Jamaica, Martinique, Mexico, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, United States Virgin Island, Venezuela Asia: India, Iran, Oman, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Thailand, United Arab Emirates	

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		Cyrtostahys renda, Dypsis decaryi, Dypsis lutescens, Elaeis guineensis (kelapa sawit, African oil palm), *Elaeondendron transvaalense, Ettingera elatior, Eucalyptus deglupta, Eugenia uniflora,* Heliconia, *Heliconia caribaea, Heliconia caribaea x bihai, Heliconia episcopalis, Heliconoa latispatha, Heliconia marginata, Heliconia psittacorum, Heliconia rostrata, Latania lontaroides, Licuala grandis, Licualaspinosa, Livistonis chinensis, Microcycas calocoma, Ocimum basilicum, Pandanus utilis,* Phaseolus, *Phoenix canariensis, Phoenix reclinata, Phoenix roebelenii, Phoenix rupicola, Pritchardia pacifica, Pritchardia vuylestekeana, Pseudophoenix vinifera, Ptychosperma elegans, Ptychosperma macarrthuri, Ravenala madagascariensis, Renealmia alpinia, Renealmia aurantifera, Rhapis excelsa, Roystonea borinquena, Sabal black*		

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			\burmiana, Sabal mauritiiformis, Schippia concolor, Strelitzia reginae, Syagrus romanzoffianum, Syagrus schizophylla, Thrinax radiata, Veitchia arecina, Veitchia merrillii, Washingtonia filifera, Washingtonia robusta, Wodyetia bifurcata,Zingiber officinale (jahe, ginger), palmae	tanaman	Indonesia: Jawa
7.	*Tenuipalpus orchidarum* Parfitt; Prostigmata: *Tenuipalpidae*; red mite of orchid	II	Orchidaceae (anggrek, orchids)	tanaman	Indonesia: Jawa

III. KEONG (*SNAIL*) DAN SIPUT (*SLUG*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN / *GROUP*	INANG/ *HOSTS*	MEDIA PEMBAWA/ *PATHWAYS*	DAERAH SEBAR / *GEOGRAPHICAL DISTRIBUTION*
1.	*Pilapolita*Jeshayes; (=*Ampularia pagoda*); Ampullariidae; Apple snail	II	*Oryzasativa*(padi, paddy), berbagai tumbuhan air tawar	tanaman	Indonesia:Sumatera, Jawa(Timur) Asia: Thailand, Kambodia, India, China
2.	*Pomaceainsularum*; Ampullariidae; Island apple snail	II	Tumbuhanair (aquaticplants), berbagai tipe vegetasi tanaman	tanaman, bagian tanaman	Indonesia:Kalimantan America: South America (Argentina, Brazil, Bolivia, Uruguay, Paraguay) Asia: Thailand

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IV. NEMATODA (*NEMATODES*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN / *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Aphelenchoides besseyi* (Christie); (=*Aphelenchoides oryzae* =*Asteroaphelenchoides besseyi*); Aphelenchida: Aphelenchoididae; pucuk putih padi / rice leaf nematode, white tip nematode of rice, summer crimp nematode	I: jika MP tidak diproses II. jika MP diproses	*Oryza sativa* (padi, paddy), *Fragaria ananassa* (stroberi, strawberry), *Oryza glaberrima* (African rice) *Allium cepa* (bawang bombay, onion), *Chrysanthemum morifolium* (krisan, chrysanthemum), *Colocasia esculenta* (talas, taro), *Cyperus iria* (rice flatsedge), *Digitaria sanguinalis* (large crabgrass), Dioscorea (yam), *Dioscorea trifida* (cushcush yam), *Glycine max* (kedelai, soyabean), Hibiscus (rosemallows), *Ipomoea batatas* (ubi jalar, sweet potato), *Polianthes tuberosa* (tuberose), *Zea mays* (jagung, corn), *Oryza brevitigulata, Setaria*	biji, umbi, daun, stolon, batang, tanah	Indonesia: Sumatera, Jawa, Kalimantan (Selatan). Africa: Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo, Ivory Coast, Egypt, Gabon, Gambia, Ghana, Guinea, Kenya, Madagascar, Malawi, Mali, Nigeria, Senegal, Sierra Leone, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe. America: Brazil, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Mexico, Panama, USA, Hawaii Asia: Afghanistan, Azerbaijan, Bangladesh, Cambodia, China, Georgia, India, Iran, Japan, North Korea, South Korea, Kyrgyzstan, Laos, Malaysia,

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		viridis(green foxtail)			Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Tajikistan, Thailand, Turkey, Uzbekistan, Vietnam. Europe: Bulgaria, Hungary, Italy, Russia, Slovakia, Ukraine Oceania: Australia, Cook Islands, Fiji, Papua New Guinea.
2.	*Aphelenchoides fragariae* (Ritzema Bos) (Chriestie); (=*Aphelenchoides olesistus=A.olesistus* var. *longicollis =A.pseudolesistus =Aphelenchus fragariae =A.olesistus =A.olesistus* var. *longicollis =A.pseudolesistus);* Aphelenchoididae; bud and leaf nematode, fern nematode, strawberry crimp nematode, strawberry spring dwarf nematode	I: jika MP tidak diproses II. jika MP diproses	*Fragaria ananassa* (stroberi, strawberry), *Lilium* spp., *Anthurium andreanum*, *Rhododendron* spp. (azaleas), *Barleria cristata*(philippine violet), *Begonia* spp., *Chloranthus spicatus*, *Hibiscus rosa –sinensis* (kembang sepatu, china-rose), *Hosta* spp., *Hydrangea macrophylla*(French hydrangea), *Maranta leuconeura*(Banded arrowroot), Peony, *Pimpinella diversifolia*, *Primula* sp., *Psychotria nervosa*, *Rhododendron simsii*(Sim's azalea),	biji, buah, bunga, batang, stolon, daun, umbi, bagian vegetatif, pupuk kandang, tanah	Indonesia: Jawa (Barat/Bogor, Banten, Sukabumi, DKI Jakarta) America: Canada, Cuba, Mexico, USA Asia: China, India, Israel, South Korea, Kirgyztan, Japan, Turkey Europe: Belgium, Bulgaria, Denmark, Estonia, France, Germany, Hungary, Ireland, Italy, Latvia, Moldovia, Netherlands, Norway, Portugal, Poland, Russia, Slovakia, Spain, Switzerland, Sweden, Ukraine, UK Oceania: Australia, New Zealand, Papua New Guinea	

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		Ruscus hypophyllum, Saintpaulia ionantha (African violet), *Saxifraga* spp.(saxifrage), *Tolmiea menziesii*(pick-a-back plant), *Veronica arvensis*(Corn speedwell), *Viola odorata*(English violet), *Wulfenia carinthiaca*, *Andrographis paniculata* (sambiloto, king of bitter plant) *Cornus Canadensis*(creeping dogwood), *Ficus carica* (ara, fig), *Ficus macrophylla*(moreton Bay fig), *Lamium maculatum*(Spotted deadnettle), *Prunus persica* (persik, peach), *Anigozanthos* sp., *Allium ascalonicum* (bawang merah, shallot), *Allium sativum* (bawang putih, garlic), *Avena sativa* (oat, oats), *Ipomoea batatas* (ubi jalar, sweet potato), *Asplenium nidus* (bird's-nest fern), *Capsella bursa-pastoris*(shepherd's purse), *Chenopodium*		

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			album(fat hen), *Cobotium chamissoi, Erigeron annuus*(annual fleabane), *Ficus elastic*(rubber plant), Western Sword-fern, *Polygonum blumei*(tufted knotweed (USA)), *Pteris* spp., *Rorippa atrovirens, Senecio vulgaris, Solanum nigrum*(black nightshade), *Stellaria media*(common chickweed), *Ageratum conyzoides* (babadotan), *Acalypha lanceolata* (pulus hayam), *Oxalys septum* (calincing), *Borreria* sp., *Linderia* sp. (gulma daun sirih), *Pleocnemia* sp.		
3.	*Ditylenchus angustus* (Bul)1.; (=*Anguillulina angusta* =*Tylenchus angustus*);Anguinidae; rice stem nematode, ufra disease	I: jika MP tidak diproses II. jika MP diproses	*Oryza sativa* (padi, paddy, rice) *Echinochloa colona* (junglerice), *Leersia hexandra* (southern cut grass), *Sacciolepsis interrupta*	biji, bunga, daun, bibit, batang, jerami, tanah	Indonesia:Jawa, Kalimantan (Selatan). Asia: Bangladesh, India, Malaysia, Myanmar, Philippines, Thailand, Vietnam.
4.	*Globodera pallida* (Stone) Mulvey & Stone; (=*Heterodera pallida*); Heteroderidae; white cyst nematode, pale potato cyst	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato), *Lycopersicum esculentum* (tomat, tomato), *Solanum melongena* (terung,	umbi, alat pertanian, pupuk organik, tanah	Indonesia: JawaTengah (Dieng, Cilacap, Banjarnegara); Jawa Barat (Bandung), Jawa Timur (Batu, Malang)

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nematode, potato cyst nematode, potato root eelworm		eggplant) Datura (thorn-apple), *Datura stramonium* (kecubung, jimsonweed), *Hyoscyamus niger* (black henbane), *Lycopersicon pimpinellifolium*(currant tomato), *Oxalis tuberosa*, *Solanum acaule*, *Solanum americanum*, *Solanum aviculare* (kangaroo apple), *Solanum cardiophyllum*, *Solanum ehrenbergii*, *Solanum gilo*(gilo), *Solanum indicum*, *Solanum mauritianum*(tree tobacco), *Solanum marginatum*(white-edged nightshade), *Solanum nigrum*(black nightshade), *Solanum oplocense*, *Solanum quitoense*(Narangillo), *Solanum sarrachoides* (green nightshade (UK)), *Solanum scabrum*, *Solanum spegazzinii*, *Solanum aviculare*, *Solanum sarrachoides*.		Africa: Algeria, Tunisia, America: Argentina, Bolivia, Canada, Chile, Columbia, Costa Rica, Falkland Islands, Ecuador, Panama, Peru, Venezuela, USA Asia: India, Iran, Pakistan, Turkey Europe: Austria, Belgium, Netherlands, Bosnia-Hercegovina, Bulgaria, Czech Republic, Croatia, Cyprus, Denmark, France, Faroe Islands, Greece, Hungary, Ireland, Italy, Iceland, Germany, Latvia, Lithuania, Luxembourg, Malta, Moldova, Norway, Poland, Portugal, Romania, Serbia, Spain, Slovenia, Sweden, Switzerland, UK, Ukraine Oceania: New Zealand.	

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5.	*Globodera rostochiensis* (Wollenweber) Mulvey & Stone; (=*Heterodera scachtii solani* = *H. Scachtii rostochiensis* =*H. Rostochiensis* = Heteroderidae; nematoda sista (kentang) / golden cyst nematode, potato golden nematode	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato), *Lycopersicum esculentum* (tomat, tomato), *Solanum melongena* (terung, eggplant) *Datura stramonium*(jimsonweed), *Lycopersicon pimpinellifolium* (currant tomato), Solanum (nightshade), *Solanum aviculare* (kangaroo apple), *Solanum gilo* (gilo), *Solanum indicum* (Indian Nightshade), *Solanum marginatum* (white-edged nightshade), *Solanum mauritianum* (tree tobacco), *Solanum nigrum* (black nightshade), *Solanum quitoense* (Naranjillo), *Solanum sarrachoides*(green nightshade (UK))	biji, umbi, akar akar, tanah, umbi, batang	Indonesia: Jawa Barat (Bandung), Jawa Tengah (Banjarnegara), Jawa Timur (Batu, Malang) Sulawesi Selatan (Jeneponto, Gowa) Africa: Algeria, Egypt, Libya, Sierra Leone, South Africa, Tunisia. America: Bolivia, Canada, Chile, Colombia, Ecuador, Mexico, Panama, Peru, USA, Venezuela. Asia: Armenia, India, Iran, Japan, Lebanon, Oman, Pakistan, Philippines, Sri Lanka, Tajikistan, Turkey. Europe: Albania, Austria, Belarus, Belgium, Bosnia-Hercegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK, Scotland Oceania: Australia, New Zealand, Norfolk Island.

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6.	*Hemicriconemoides mangiferae*Siddiqi; (=*Hemicriconemoides birchfieldi*) Criconematidae; sheath nematode	I: jika MP tidak diproses II. jika MP diproses	*Citrus* spp. (jeruk, orange), *Nephelium litchii* (leci, lychee), *Mangifera indica* (mangga, mango), *Musa* spp. (pisang, banana), *Zea mays* (jagung, corn), rumput-rumputan (Poaceae) Alnus (alders), *Ananas comosus* (nenas, pineapple), *Artocarpus heterophyllus* (nangka, jackfruit), *Artocarpus integer* (cempedak, champedak), *Anacardium occidentale* (cashew nut), *Bambusa vulgaris* (bambu, common bamboo), *Carica papaya* (pepaya, papaya, papaw), *Cocos nucifera* (kelapa, coconut), *Dimocarpus longan* (longan tree), *Eriobotrya japonica* (loquat), *Gossypium hirsutum* (Bourbon cotton), *Grewia asiatica* (phalsa), *Manihot esculenta* (ubi kayu, cassava), *Manilkara zapota* (sawo, sapodilla), *Persea americana*	akar, bibit, bonggol, tanah	Indonesia: Jawa. Africa:Ivory Coast, Egypt, Ghana, Nigeria, South Africa, Sudan. America: Brazil, Costa Rica, Cuba, Dominica, Ecuador, Grenada,Mexico, Peru, Saint Kitts and Nevis, Saint Lucia, Trinidad and Tobago, USA, Venezuela. Asia:Bangladesh, Brunei Darussalam, China, India, Iran, Israel, South Korea, Oman, Pakistan, Philippines, Saudi Arabia, Thailand, Vietnam. Oceania:American Samoa, Fiji, New Caledonia, Papua New Guinea, Samoa, Tonga.	

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		(avokad, avocado) *Phoenix dactylifera* (date-palm), Piper (pepper), *Prunus armeniaca* (aprikot, apricot), *Psidium guajava* (jambu biji, guava), Rosa (mawar, roses), *Saccharum officinarum* (tebu, sugarcane), Salix (willows), *Theobroma cacao* (kakao, cocoa), *Umbellularia californica*(California laurel), *Vitis vinifera* (grapevine), *Zea mays* (jagung, corn)		
7.	*Heterodera glycines* (Ichinohe); Heteroderidae; soyabean cyst nematode	I: jika MP tidak diproses II. jika MP diproses	*Glycine max* (kedelai, soyabean) *Aeschynomene indica* (Indian jointvetch), *Beta vulgaris* (bit, beetroot), *Cajanus cajan* (kacang gude, pigeon pea), Fabaceae, Geranium, *Kummerowia striata* (Japanese lespedeza), *Lamium amplexicaule* (henbit deadnettle), *Lamium purpureum* (purple deadnettel), *Lespedeza cuneata*	akar, umbi, bibit, pupuk organik, peralatan pertanian, tanah	Indonesia: Jawa, Sumatera (Lampung). Africa: Egypt. America: Argentina, Brazil, Canada, Colombia, Ecuador, Paraguay, Puerto Rico, USA. Asia: China, India, Iran, Japan, South Korea, North Korea, Mongolia. Europe: Italy, Russia

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			(sericea lespedeza), Lupinus (lupins), *Lupinus albus* (white lupine), *Lycopersicon esculentum* (tomat, tomato), *Nicotiana tabacum* (tembakau, tobacco), Penstemon, *Phaseolus vulgaris* (buncis, common bean), *Pisum sativum* (kapri, sweet pea), *Sesbania exaltata* (coffeebean (USA)), *Stellaria media* (common chickweed), *Verbascum thapsus*(Aaron's-rod), *Vicia villosa*, *Vigna acontitifolia* (moth beans), *Vigna angularis* (adzuki bean), *Vigna mungo* (black gram), *Vigna radiata* (mung bean)		
8.	*Macroposthonia onoensis*;Criconematidae; ring nematode	I: jika MP tidak diproses II. jika MP diproses		*Syzygium aromaticum* (cengkeh, clove), Citrus, *Mangifera indica* (mangga, mango)	akar, tanah	Indonesia: Jawa, Sumatera (Selatan, Lampung). America: Trinidad, Tobago. Asia: India.
9.	*Meloidogynegraminicola*(Sledge&Golden) Whitehead;Meloidogynidae;rice rootknot nematode	I: jika MP tidak diproses II. jika MP diproses		*Oryzasativa*(padi,paddy), Poaceae (grasses), Sereal ia *Allium cepa* (bawangbombai, onion),	akar, tanah	Indonesia: Jawa(Yogyakarta, Tengah). Africa:South Africa America:Brazil,

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		Alopecurus (foxtails), *Ammania pentandra*, Andropogon (beardgrass), Blumea, Brassica, *Brassica oleracea* var. *capitata* (kubis, cabbage), *Cynodon dactylon* (Bermuda grass), *Cyperus imbricatus* (shingle flatsedge), *Cyperus procerus*, *Cyperus pulcherrimus*, *Cyperus rotundus* (purple nutsedge), *Digitaria filiformis* (slender crabgrass), *Echinochloa colona* (junglerice), *Echinochloa crus-galli* (barnyard grass), *Eleusine coracana* (finger millet), *Eleusine indica* (goose grass), *Fimbristylis complanata*, *Fimbristylis dichotoma* (tall fringe rush), *Fimbristylis littoralis* (lesser fimbristylis), *Fuirena glomerata*, *Glycine max* (kedelai, soyabean), *Grangea madraspatensis*, *Hordeum vulgare* (barli, barley), *Ischaemum*		Colombia,USA Asia:Bangladesh,China, India,Laos,Malaysia,Myanmar,Nepal, Pakistan,Philippines,Singapore, Sri Lanka, Thailand,Vietnam	

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				rugosum (saramollagrass), Ludwigia (waterprimrose), *Monochoria vaginalis* (pickerel weed), *Panicum miliaceum* (millet), *Panicum repens* (torpedo grass), *Paspalum scrobiculatum* (ricegrass paspalum), *Phyllanthus urinaria* (leafflower), *Poa annua* (annual meadowgrass), Ranunculus (Buttercup), *Scirpus articulatus*, *Sorghum bicolor* (sorgum, sorghum), Sphaeranthus, *Sphenoclea zeylanica* (wedgewort), *Triticum aestivum* (gandum, wheat), *Zea mays* (jagung, corn)	
10.	*Meloidogyne hapla* (Chitwood); Meloidogynidae; northern root knot nematode	I: jika MP tidak diproses II. jika MP diproses		*Actinidia chinensis* (Chinese gooseberry), *Arachis hypogaea* (kacang tanah, groundnut), *Beta vulgaris* var. *saccharifera* (sugarbeet), *Cichorium intybus* (chicory), *Daucus carota* (wortel, carrot), *Fragaria ananassa*	akar, stolon, polong, umbi, tanah	Indonesia: Jawa Africa: Algeria, Ivory Coast, Egypt, Kenya, Libya, Malawi, Morocco, Nigeria, South Afrika, Tanzania, Uganda, Zimbabwe America: Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Panama,

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		(stroberi, strawberry), *Glycine max* (kedelai, soyabean), *Lycopersicon esculentum* (tomat, tomato), *Medicago sativa* (alfalfa, lucerne), *Pelargonium* (Pelargoniums), *Rosa* (Mawar, rose), *Solanum tuberosum* (kentang, potato), *Tanacetum cinerariifolium* (Phyretrum), *Trifolium* (clover) *Allium cepa* (bawang bombay, onion), *Anemone* (windflower), *Beta*, *Brassica napus* var. *napus* (rape), *Brassica oleraceae* var. *capitata* (kubis, cabbage), *Cajanus cajan* (kacang gude, pigeon pea), *Camellia sinensis* (teh, tea), *Capsicumannuum* (bell peper), *Chenopodium quinona* (quinona), *Chrysanthemum* spp. (daisy), *Coffea* (kopi, coffee), *Cucumis* (melon, melons, cucumbers, gerkins), *Cyclamen*,		Paraguay, Peru, Uruguay, USA, Venezuela Asia: Armenia, China, Taiwan, India, Iran, Israel, Japan, Kazakhstan, South of Korea, Kyrgyzstan, Malaysia, Mongolia, Pakistan, Philippines, Sri Lanka, Taiwan, Tajikistan, Thailand, Turkey, Turkmenistan, Uzbekistan Europe: Belarus, Belgium, Bulgaria, Bosnia and Herzegovina, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Macedonia, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Switzerland, Serbia, Slovenia, Croatia, Montenegro, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia Oceania: Australia, New Zealand, Norfolk Island, Papua New Guinea

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		Dianthus caryophillus (Carnation), *Fabaceae* (leguminous plants), *Lactuca sativa* (selada, lettuce), *Linum usitatissimum* (flax), *Mentha* (mints), *Nicotiana tabacum* (tembakau, tobacco), *Olea europeae* subsp. *Europeae* (zaitun, olive), *Phaseolus* (kacang, beans), *Raphanus sativus* (radish), *Rubus* (blackberry, raspberry), *Sinapsis alba* (white mustard), *Solanum* (nightsade), *Vicia* (vetch), *Vitis vinifera* (anggur, grapevine)			
11.	*Pratylenchus brachyurus* (Godfrey) Filipjev & Schuurmans Stekhoven; (=*Pratylenchus pratensis*); Pratylenchidae; smooth headed nematode, root lesion nematode	I: jika MP tidak diproses II. jika MP diproses	*Arachis hypogea* (kacang tanah, peanut), *Ananas comosus* (nenas, pineapple), *Zea mays* (jagung, corn), *Glycine max* (kedelai, soyabean), *Solanum tuberosum* (kentang, potato), *Camellia sinensis* (teh, tea), *Vigna cylindrica* (kacang panjang, long bean), *Citrus* spp. (jeruk, orange), *Coffea* spp.	akar, polong, umbi, tanah	Indonesia: Sumatera (Aceh dan Sumatera Barat), Jawa. Africa: Cameroon, Ivory Coast, Egypt, Guinea, Kenya, Madagascar, Malawi, Nigeria, South Africa, Togo, Uganda, Zimbabwe. America: Belize, Bolivia, Brazil, Canada, Costa Rica, Cuba, French Guiana, Guatemala, Guyana, Mexico, Peru, Puerto Rico, USA, Hawaii, Venezuela

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		(kopi, coffee), *Gossypium hirsutum* (kapas, cotton), *Hevea brasiliensis* (karet, rubber tree), *Dacryodes edulis* (kenari, African pear), *Nicotiana tabacum* (tembakau, tobacco), *Oryza sativa* (padi, paddy),*Persea Americana* (avokad, avocado), *Prunus persica* (persik, peach), *Saccharum officinarum* (tebu, sugarcane), *Theobroma cacao* (kakao, cocoa).			Asia: Georgia, India, Israel, Japan, Malaysia, Oman, Pakistan, Philippines, Singapore, Sri Lanka, Turkey, Vietnam. Europe: Bulgaria, Russia. Oceania: Australia, Fiji, Tonga.
12.	*Pratylenchus loosi* Loof, Pratylenchidae; rootlesion nematode, meadow nematode, Loos' root lesion nematode	I: jika MP tidak diproses II. jika MP diproses	*Camellia sinensis* (teh, tea), *Coffea* spp. (kopi, coffee) *Abelmoschus moschatus* (okra, lady's finger), *Citrus* spp. (jeruk, orange), *Cinnamomum camphora*, *Convallaria* spp., *Dioscorea* spp., *Diospyros kaki* (kesemek, persimmon), *Fragaria ananassa* (stroberi, strawberry), *Malus domestica* (apel, apple), *Mangifera indica* (mangga, mango), *Musa paradisiaca* (pisang	umbi, daun, bibit, batang, stolon, bonggol, akar, tanah	Indonesia: Jawa (Barat) Africa: Senegal. America:North America (USA, Florida), Central America and Caribbean (Guadeloupe), South America (Chile) Asia: Bangladesh, China, India, Japan, Iran, Sri Lanka, Taiwan Europe:Bulgaria Oceania:American Samoa, Australia, New South Wales, Cook Islands

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		kepok, plantain), *Pisum sativum* (kapri, sweet pea), *Poncirus trifoliata*, *Prunus avium*, *Pyrus communis* (pir, pear), *Saccharum officinarum* (tebu, sugarcane), *Solanum tuberosum* (kentang, potato), *Sorghum bicolor* (sorgum, sorghum), *Vigna cylindrica* (kacang tunggak, long bean), *Zea mays* (jagung, corn), *Acacia deccurens*, *Alternanthera sessilis*, *Artemisia vulgaris*, *Cassia alata*, *Catharanthus roseus*, *Cestrum*, *Cymbopogon nardus*, *Cyperus*, *Cyperus rotundus*, *Grevillea robusta*, *Hibiscus rosa-sinensis*, *Imperata cylindrica*, *Panicum repens*, *Sesbania cannabina*, *Solanum nigrum*, *Tagetes*, *Tecoma stans*, *Tephrosia*, *Tithonia diversifolia*		

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V. GULMA (*WEEDS*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Asystasia gangetica* (Nees) Ensermu; (=*Asystasia intrusa*);Acanthaceae; chinese violet	II	Tanaman perkebunan (plantation crops), *Elaeis guineensis* (kelapa sawit, oil palm), *Hevea brasiliensis*(karet,rubber)	Indonesia: Sumatera, Jawa (Barat), Kalimantan (Timur, Barat) Africa: Daerah Tropis dan Sub Tropis. Asia: India, Sri Lanka, Malaysia, Singapore Oceania: Guam
2.	*Cuphea balsamona* Cham. & Schltdl.; (=*Cuphea carthagenensis*); Lythraceae; sete sangrias, colombian wackweed	II	*Solanum tuberosum*(kentang,potato), *Brassicaoleracea*(cabbage),*Daucuscarot a*(wortel,carrot), tanaman sayuran (*vegetable crops*)	Indonesia: Sulawesi Tengah, Jawa Barat, Sumatera Barat America: Argentina, Bolivia, Brazil, Colombia, Chile, Venezuela, Dominican Republic, Ecuador, Paraguay, Peru, Uruguay, French Guiana, Central America, Southern USA Asia: China, Malaysia
3.	*Rivina humilis* L.;(=*Rivina laevis*); Phytolaccaceae; pigeonberry, rouge plant, baby peppers, bloodberry, coralito	II	Tanaman perkebunan (plantation crops)	Indonesia: Jawa, Sumatera, Bali America: Southern USA, Karibia, Central America, South America.

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VI. CENDAWAN (*FUNGAL/ FUNGAL LIKE ORGANISM/ PSEUDOFUNGI*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA / *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	[a]: - [s]: *Ceratocystisfimbriata*Ellis & Halst.; (=*Ceratostomella fimbriata* (Ellis & Halst.) J.A. Elliott =*Endoconidiophora fimbriata* (Ellis & Halst.) R.W. Davidson =*Ophiostoma fimbriatum* (Ellis & Halst.) Nannf. =*Sphaeronaema fimbriatum* (Ellis & Halst.) Sacc. =*Rostrella coffeae* Zimm. =*Ophiostoma coffeae* (Zimm.) Arx. =*Ceratocystis moniliformis* f.sp. *coffeae* (Zimm.) =C. Moreau) Ascomycota, Pezizomycotina, Sordariomycetes; Ceratocystis wilt, cancer, or rot, blight, black rot of sweet potato, mouldy rot of rubber, trunk and branck canker of coffee, Penyakit layu,atau kanker, atau busuk, hawar	I: jika MP tidak diproses II. jika MP diproses	*Acacia decurrens* (green wattle), *Acacia mangium* (brown salwood), *Acacia mearnsii* (black wattle), Alocasia, Annona, *Cajanus cajan* (pigeon pea), *Camelia sinensis* (teh, tea), *Carya cordiformis* (bitternut hickory), *Cassia javanica* (pink shower), Citrus, *Citrus aurantium* (sour orange), Coffea (coffee), *Coffea arabica* (arabica coffee), *Coffea canephora* (robusta coffee), *Colocasia esculenta* (taro), *Crotalaria juncea* (sunn hemp),Cortalaria, *Daucus carota* (carrot), *Erythrina* spp., Eucalyptus (Eucalyptus tree), Fagus (beeches), *Ficus carica* (fig), *Gmelina arborea* (candahar), *Hevea brasiliensis* (rubber), Hevea, *Ipomoea batatas* (sweet potato), Ipomoea, *Mangifera indica* (mango), *Manihot*	umbi, buah, media tanam, daun, bibit, akar, batang	Indonesia: Jawa, Kalimantan,Sumatera (Aceh, Riau). Africa: DR Congo, Ivory Coast, Ghana, Seychelles, South Africa, Uganda. America: Brazil, Canada, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, USA, Hawaii, Venezuela. Asia: Brunei Darussalam, Cambodia, China, Taiwan, India, Japan, Korea DPR (North Korea), Korea Republic of (South Korea), Malaysia, Myanmar, Philippines, Thailand,

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		esculenta (cassava), Metroxylon, *Myristica fragrans* (pala), *Pimenta dioica* (Allspice), Populus (poplars), Prunus (stone fruit), *Prunus armeniaca* (apricot), *Prunus dulcis* (almond), *Punica granatum* (pomegranate), *Spathodea campanulata* (African tulip tree), *Syngonium auritum*, *Syngonium podophyllum* (Arrowhead vine), *Theobroma cacao* (cocoa), Xanthosoma (cocoyam)		Vietnam. Europe: France, Italy, Poland, Portugal, Switzerland, UK. Oceania: American Samoa, Australia, Fiji, New Zealand, Papua New Guinea, Samoa, Solomon Islands.
2.	[a]: - [s]: *Phoma lingam* (Tode ex Fr.)Desm.; (=*Phoma brassicae* Thüm. =*Phoma lingam* (Tode) Desm. =*Phoma oleracea* Sacc. =*Phome napobrassicae* Rostr. =*Phyllosticta brassicae* (Curr.) Westend. =*Phyllosticta napi* Sacc. =*Plenodomus lingam* (Tode) Höhn. =*Pleospora maculans* (Desm.) Tul. =*Sphaerialingam* (Tode) Fr. =*Aphosphaeria brassicae* Thum =*Depazea brassicicola* Desm.	I: jika MP tidak diproses II. jika MP diproses	*Brassica oleracea* var. *capitata* (kubis, cabbage), *Brassica* spp., *Argemone mexicana*, *Astragalus adsurgens*, *Avena sativa*, *Beta vulgaris*, *Cardamine bellidifolia*, *Clematis vitalba*, *Eucalyptus globulus*, *Gentiana cruciata*, *Hibiscus rosa-sinensis*, *Iberis umbellata*, *Lobularia maritima*, *Lolium perenne*, *Matthiola incana*, *Raphanus raphanistrum*, *R. sativus*, *R. sativus* var. *sativus*, *Secale cereale*, *Sinapsis alba*, *Sisymbrium* sp.	biji, daun, akar, batang	Indonesia: Jawa, Sumatera (barat), Sulawesi (Selatan, Utara) Africa: Egypt, Ethiopia, Kenya, Mozambique, Nigeria, South Africa, Zambia, Zimbabwe. America: Argentina, Brazil, Canada, Costa Rica, El Salvador, Guadeloupe, Mexico, Panama, Puerto Rico, USA, Hawaii. Asia: Armenia, China, Taiwan, Georgia (Republic), India, Iran, Israel, Japan, Kazakhstan, Korea DPR (North Korea),

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	=*Depazea vagans* var. *brassicae* J.J. Kickx =*Septoria brassicae* Westend. & Wallays =*Phoma densiuscula* Sacc. & Roum. =*Phoma lingam* var. *napobrassicae* (Rostr.) Grove =*Plenodomus rabenhorstii* Preuss =*Sclerotium sphaeriaeforme* Lib. =*Phyllosticta turritis* Lobik) =*Leptosphaeria maculans* (Desm.) Ces. & De Not.; (=*Sphaeria maculans*(Desm.) Sowerby ex Berk. & Broome) Ascomycota, Pezizomycotina, Dothideomycetes; Pangkal batang hitam(black leg), canker, dry rot, leaf spot				Korea Republic of (South Korea), Kyrgyzstan, Malaysia, Pakistan, Philippines, Taiwan, Thailand, Turkey. Europe: Austria,Belarus, Belgium, Bulgaria, Czech Republic and Slovakia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, UK, Scotland. Oceania: Australia, New Caledonia, New Zealand, Papua New Guinea.
3.	[a]:-[s]:*Phoma phaseoli*Desmaz; (=*Phoma subcircinata* Ellis & Everh. =*Phoma subcirnata* =*Phomopsis phaseoli* =*Sphaeria phaseolorum* Cooke & Ellis =*Diaporthe phaseolorum* (Cooke & Ellis) Sacc; =*Diaporthe batatas* Harter & E.C. Field	I: jika MP tidak diproses II. jika MP diproses	*Phaseolus vulgaris* (kacang panjang, common bean), *Phaseolus* spp., *Capsicum annuum* (cabai, hot pepper, chilies, red pepper), Capsicum sp., *Glycine max* (kedelai, soybean), *Helianthus annuus* (bunga matahari, sunflower), *Vicia faba* (faba bean)	biji, daun, batang, media tanam	Indonesia: Jawa (Bogor) Africa: South Africa America: Argentina, USA Asia: India Europe: Hungary,Italy, Romania Oceania:Australia, New Zealand

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	=*Diaporthe phaseolorum* var. *batatatis* (Harter & E.C. Field) Wehm.) Ascomycota, Pezizomycotina, Dothideomycetes; Lima bean pod blight, leaf spot of Lima bean, bean pod blight, bean stem blight, bean stem canker		*Brachyglottis repanda*		
4.	[a]: - [s]: Phomopsis vexans (Sacc. & P. Syd.) Harter(1914); (=Phoma vexans Sacc. & P. Syd. (1899)=*Diaporthe vexans* (Sacc. & P. Syd.) Gratz; =*Ascochyta hortorum* (Speg.) C.O. Sm. =*Phoma solani* Halst. 1892 =*Phoma vexans* Sacc. & P. Syd. =*Phyllosticta hortorum* Speg.) Ascomycota, Pezizomycotina, Sordariomycetes; Blight of eggplant, Phomopsis rot of eggplant, brown spot of eggplant, fruit rot of eggplant, tipover of eggplant	I: jika MP tidak diproses II. jika MP diproses	*Solanum melongena* (terung, eggplant, aubergine) *Solanum aculeatissimum*, *Solanum incanum* (grey bitter-apple), *Solanum nigrum* (black nightshade), *solanum torvum* (turkey berry), *Solanum virginianum*	buah, batang, cabang, ranting, daun, biji, bunga, media tanam	Indonesia: Jawa (Barat, Tengah, Timur) Africa: Algeria, Kenya, Mauritius, Senegal, Seychelles, South Africa, Tanzania, Zambia, Zimbabwe America:Antigua and Barbuda, Argentina, Barbados, Bermuda, Brazil, Canada,Colombia, Costa Rica, Cuba, Dominican Republic, El Savador, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Mexico, Panama, Puerto Rico, United States Virgin Island, USA, Venezuela Asia:Bangladesh, Brunei Darussalam, China, India, Iran, Irak, Japan, Jordan, Korea Republic of, Laos, Malaysia, Maldives,

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						Myanmar, Pakistan, Philippines, Saudi Arabia, Taiwan Europe: Romania Oceania:Australia, Fiji, French Polynesia, Guam, New Caledonia
5.	[a]: - [s]: *Synchitrium pogostemonis*S.D. Patil & Mahab. Chytridiomycota, Chytridiomycetes; Kutil (Wart)	I: jika MP tidak diproses II. jika MP diproses	*Pogostemoncablin* (Nilam)	batang, daun		Indonesia: Jawa, Sumatera, Sulawesi
6.	[a]: - [s]:*Ustilago scitaminea*Syd. (Sydow); (=*Sporisorium scitamineum* (Syd.) M. Piepenbr., M. Stoll & Oberw. =*Ustilago sacchari* Rabenh) Basidiomycota, Ustilaginomycotina, Ustilaginomycetes; Sugarcane pecut api, Sugarcane smut	I: jika MP tidak diproses II. jika MP diproses	*Saccharum officinarum* (tebu, sugarcane)	bunga, daun, batang,		Indonesia: Jawa, Sulawesi (Selatan) Africa: Burkina Faso, Cameroon, Chad, Congo, DR Congo, Ivory Coast, Egypt, Ethiopia, Ghana, Kenya, Madagascar, Malawi, Mali, Mauritius, Morocco, Mozambique, Niger, Nigeria, Réunion, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe. America: Argentina, Barbados, Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador,

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					Former USSR, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Paraguay, Puerto Rico, Portugal, Saint Kitts and Nevis, Suriname, Trinidad and Tobago, USA, Hawaii, Uruguay, Venezuela.
7.	[a]: *Alternaria cucumerina*(Ell. & Ev.) Elliott.; (=*Macrosporium*	I: jika MP tidak diproses	Cucurbitaceae, *Citrullus lanatus* (semangka, watermelon), *Cucumis melo*	biji, daun, buah	Asia: Afghanistan, Bangladesh, Cambodia, China, Taiwan, India, Iran, Japan, Kazakhstan, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Turkmenistan, Vietnam. Europe: Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Portugal. Oceania: Australia, Fiji.
					Indonesia: Jawa (Barat) America: Argentina, USA Asia: India

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	cucumerinum Ellis & Everth. =*Alternaria brassicae* var. *nigrescens* Peglion) [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; Cucumber blight, brown spot of cucumber, alternaria leaf blight	II. jika MP diproses	(melon, melon), *Cucurbita* sp. (labu, pumpkin)		
8.	[a]:*Botrytis allii*Munn; (=*Botrytis aclada* Fresen.) [s]:*Botryotinia allii* (Sawada) W. Yaman Ascomycota, Pezizomycotina, Leotiomycetes; Neck rot of onions	I: jika MP tidak diproses II. jika MP diproses	*Allium ascalonicum* (bawang merah, shallot), *Allium cepa* (bawang bombay, onion), *Allium* spp. *Allium porrum* (bawang daun, leek), *Allium sativum* (garlic) *schoenoprasum*	biji, umbi	Indonesia: Sumatera (Barat dan Lampung), Jawa. Africa: Egypt, Kenya, South Africa, Tanzania, Zambia. America: Brazil, Canada, Chile, Colombia, Costa Rica, Guatemala, Jamaica, Panama, USA, Venezuela. Asia: Afghanistan, Bangladesh, China, Taiwan, Georgia (Republic), India, Iran, Iraq, Israel, Japan, Jordan, Korea Republic of (South Korea), Nepal, Pakistan, Saudi Arabia, Turkey, Vietnam. Europe: Austria, Belgium, Bulgaria, Cyprus, Czech Republic and Slovakia, Finland, Serbia, Slovenia,

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					Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Italy, Netherlands, Norway, Poland, UK. Oceania: Australia, New Zealand.	
9.	[a]:*Ephelis oryzae* Syd.(1914);(=*Ephelis pallida* Pat.) [s]:*Balansia oryzae-sativae* Hashioka; (=*Balansia oryzae* (Syd.) Naras. & Thirum.) Ascomycota, Pezizomycotina, Sordariomycetes; black choke, black ring, false ergot, incense rod, sterility disease, udbatta, udbatta disease of Rice	I: jika MP tidak diproses II. jika MP diproses		*Oryza sativa* (padi, paddy), *Sorghum bicolor* (sorghum) *Cynodon dactylon* (Bermuda grass), *Echinochloa crus-galli* (barnyard grass), Eragrostis (lovegrasses), *Leptochloa chinensis* (Chinese sprangletop), *Paspalum dilatatum* (dallis grass), *Paspalum scrobiculatum* (ricegrass paspalum),*Pennisetum glaucum* (pearl millet), *Secale cereale* (rye), *Setaria italica* (foxtail millet)	biji, akar, daun, batang, ranting, bunga,	Indonesia: Jawa (Barat, Tengah), Sumatera (Utara, Barat, Aceh) Africa: Sierra Leone America: USA Asia: China, India,Japan, Nepal Oceania:New Caledonia, Vanuatu	
10.	[a]: *Fusarium oxysporum*f.sp.*asparagi* (Cohen) [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; Layu, busuk akar (wilt, root rot)	I: jika MP tidak diproses II. jika MP diproses		*Asparagus officinalis* (asparaga, asparagus)	bibit, akar, batang, media tanam	Indonesia: Jawa (Barat, Timur)	

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11.	[a]: *Fusarium oxysporum*f.sp. *passiflorae* W.L. Gordon [s]: - Ascomycota, Pezizomycotina, Sordariomycetes; Layu Fusarium, Fusarium wilt, wilt of passionfruit	I: jika MP tidak diproses II. jika MP diproses	*Acacia melanoxylon* (australian blackwod), *Passiflora edulis* (passion fruit), *Passiflora quadrangularis* (markisa, granadilla, passion-fruit), Samanea saman (rain tree)	daun, akar, batang, media tanam	Indonesia: Sumatera (Utara). Africa: South Africa. America: Brazil, USA Asia: China Oceania: Australia.
12.	[a]: *Neofusicoccum ribis* (Slippers, Crous & M.J. Wingf.) Crous, Slippers & A.J.L. Phillips; (=*Fusicoccum ribis* Slippers, Crous & M.J. Wingf. =*Dothiorella gregaria* Sacc. =*Dothiorella ribis* (Fuckel) Sacc. =*Fusicoccum aesculi* Corda =*Fusicoccum tingens* Goid.) [s]: *Botryosphaeria ribis*Grossend & Duggar; (=*Botryosphaeria mali* V.A. Putterill) Ascomycota, Pezizomycotina, Dothideomycetes; Cane blight, canker, dieback, fruit rot, gummosis, panicle and shoot blight, stem blight, tip dieback, white rot	I: jika MP tidak diproses II. jika MP diproses	*Casuariana equisetifolia* (casuariana), *Persea americana* (alpokat, avocado), *Juglans* spp. (walnut), *Macadamia integrifolia* (macadamian nut), *Macadamia tetraphylla* (Rough-shell macadamia nut), *Macadamia* sp., *Malus domesticum* (apel, apple), *Mangifera indica* (mangga, mango), *Populus* sp. (poplars), *Prunus persica* (peach), Ribes(currants), *Rubus* spp. (blackberry, raspberry) *Citrus* sp. (jeruk, citrus), *Eucalyptus* sp., *Liquidambar formosa* (beautiful sweet gum), *Liquidambar styraciflua* (sweet gum), Pistia (water lettuce), *Prunus amygdalus* (almond), Rhododendron(azalea)	buah, bunga,bata ng/ranting	Indonesia: Jawa, Kalimantan, Sumatera Africa: Ethiopia, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Malawi, Mauritius, Mozambique, Niger, South Africa, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Barbados, Chile, Colombia, Costa Rica, Canada, Cuba, Dominica, Grenada, Honduras, Jamaica, Mexico, Panama, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: Bangladesh, Brunei Darussalam, China, Georgia Republic of, Taiwan, India, Iran, Israel, Japan, South Korea, Malaysia, Myanmar,

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					Nepal, Pakistan, Sri Lanka, Taiwan, Thailand, Turkey Europe: Cyprus, France, Greece, Italy,Netherland, Portugal, Spain, United Kingdom Oceania: Australia, Fiji, Micronesia, Federated states of, New Zealand, Papua New Guinea, Solomon Islands
13.	[a]:*Oidium tuckeri*Berk.; (=Acrosporium tuckeri (Berk.) Sumst. =Pseudoidium tuckeri (Berk.) Y.S. Paul & J.N. Kapoor) [s]: *Erysiphe necator*Schwein; (=*Erysiphe necator* var. *necator* Schwein. =*Erysiphe tuckeri* Berk. =*Uncinula necator* (Schwenmerts) Burril =*Unicula americana* Howe =*Uncinula spiratis* Berk. & M.A. Curtis) Ascomycota, Pezizomycotina, Leotiomycetes; Embun tepung (Powdery mildew), grapevine powdery mildew, grape powdery mildew, powdery mildew grapevine	I: jika MP tidak diproses II. jika MP diproses	Vitis, *Vitis vinifera* (anggur, grapevine) Ampelopsis, Cissus (grape), *Cissus rhombifolia* (grape ivy), Parthenocissus, *Vitis vinifera* subsp. *sylvestris*	bunga, daun, bibit, batang,	Indonesia: Jawa (Timur), Bali (Bulelenq) Africa:Algeria, Congo, DR Congo, Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritania, Morocco, Mozambique, Portugal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zimbabwe. America: Argentina, Bermuda, Barbados, Bolivia, Brazil, Canada, Chile, Costa Rica, Cuba, Dominican Republic, Guatemala, Guyana, Jamaica, Mexico, Peru, Puerto Rico, Trinidad and Tobago, Uruguay, USA,

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			Hawaii, Venezuela. Asia: Afghanistan, Armenia, Azerbaijan, China, Taiwan, Georgia Republic of, India, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kyrgyztan, Korea Republic of (South Korea), Kyrgyzstan, Lebanon, Myanmar, Pakistan, Saudi Arabia, Sri Lanka, Syria, Turkey, Turkmenistan, Uzbekistan, Yemen. Europe: Austria, Belgium, Bulgaria, Croatia, Czech Republic and Slovakia, Denmark, Estonia, Serbia, Slovenia, Bosnia and Herzegovina, Montenegro, Macedonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Luxembourg, Malta, Moldova, Netherland, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK, Serbia and Montenegro, Yugoslavia.

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14.	[a]:*Rhizoctonia bataticola* (Taubenh.) E. J.Butler; (=*Rhizoctonia lamellifera* Small =*Sclerotium bataticola* Taubenh.) =*Macrophomina phaseolina*(Tassi) Goid; (=Botryodiplodia *phaseoli* (Maubl.) Thirum. =*Dothiorella cajani* Syd., P. Syd. & E. J. Butl. =*Macrophoma cajani* Syd., P. Syd. & E. J. Butl. =*Macrophoma corchori* Sawada =*Macrophoma phaseoli* Maubl. =*Macrophoma phaseolina* Tassi =*Macrophoma sesami* Sawada =*Macrophomina phaseoli* (Maubl.) S. F. Ashby =*Macrophomina philippines* Petr.) [s]: - Basidiomycota, Agaricomycotina, Agaricomycetes; Charcoal rot of bean/tobacco, ashy stem blight, ashy stem decay of	I: jika MP tidak diproses II. jika MP diproses	*Abelmoschus esculentus* (okra), *Abies concolor* (Rocky Mountain white fir), *Actinidia chinensis* (Chinese gooseberry), *Albizia lebbeck* (Indian siris), *Alhagi pseudalhagi* (Camel-thorn), *Allium cepa* (onion), *Allium sativum* (garlic), *Arachis hypogaea* (kacang tanah, groundnut), *Basella alba* (Malabar spinach), *Beta vulgaris* var. *saccharifera* (sugarbeet), *Boehmeria nivea* (ramie), *Bombax ceiba* (silk cotton tree), Brassica, *Brassica oleracea* var. *botrytis* (cauliflower), *Broussonetia papyrifera* (paper mulberry), *Cajanus cajan* (pigeon pea), *Capsicum annuum* (bell pepper), *Carica papaya* (pepaya, papaw), *Carthamus tinctorius* (safflower), *Catharanthus roseus* (Pink periwinkle), *Cedrus atlantica* (Atlas cedar), *Cedrus deodara*	biji, umbi, bunga, buah, akar, daun, batang	Oceania: Australia, New Zealand, Papua New Guinea. Indonesia:Jawa (Barat), Tangerang Africa: Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, DR Congo, Ivory Coast, Agypt, Ethiopia, Gabon, Gambia, Ghana, Kenya, Libya, Madagascar, Malawi, Mauritius, Morocco, Mozambique, Niger, Nigeria, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe America: Canada, Mexico, USA, Bahama, Cuba, Dominica, El Savador, Guadeloupe, Honduras, Jamaica, Puerto Rico, Trinidad and Tobago, Argentina, Brazil, Chile, Colombia, Guyana, Peru, Uruguay, Venezuela Asia: Bangladesh, Brunei Darussalam, China, India,

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bean/tobacco, blight of bean/tobacco, root rot of bean/tobacco		(Himalayan cedar), *Cicer arietinum* (chickpea), Cichorium (chicory), *Citrullus lanatus* (semangka, watermelon), *Citrus reticulata* (mandarin), *Cocos nucifera* (kelapa, coconut), *Corchorus capsularis* (white jute), *Corchorus olitorius* (jute), *Coriandrum sativum* (coriander), *Crocus sativus* (saffron), *Crotalaria juncea* (sunn hemp), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimum, cucumber), *Cucurbita pepo* (ornamental gourd), *Cuminum cyminum* (cumin), *Curcuma longa* (kunyit, turmeric), *Cyamopsis tetragonoloba* (guar), Dahlia, *Datura stramonium* (jimsonweed), *Daucus carota* (wortel, carrot), *Elaeis guineensis* (African oil palm), *Eucalyptus camaldulensis* (red gum), *Eucalyptus tereticornis* (forest red gum), Fagopyron, Fragaria (strawberry), *Fragaria ananassa* (strawberry), *Glycine max* (kedelai,		Iran, Iraq, Israel, Japan, Korea Republic of, Kuwait, Lebanon, Malaysia, Myanmar, Nepal, Oman, Pakistan, Sri Lanka, Syria, Taiwan, Turkey, Yemen Europe: Austria, Bulgaria, Cyprus, Czech Republic and Slovakia, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Mediterranean countries, Netherland, Romania, Russia, Slovakia, Spain, Switzerland, UK, Serbia and Montenegro, Yugoslavia	

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		soyabean), Gossypium (kapas, cotton), *Gossypium barbadense* (Gallini cotton), *Helianthus annuus* (bunga matahari, sunflower), *Impatiens balsamina* (garden balsam), *Ipomoea batatas* (ubi jalar, sweet potato), Jasminum (jasmine), *Juniperus scopulorum* (Rocky Mountain juniper), *Juniperus virginiana* (eastern redcedar), *Lablab purpureus* (hyacinth bean), *Lagenaria siceraria* (bottle gourd), *Lens culinaris* subsp. *culinaris* (lentil), Linum (flax), Lupinus (lupins), *Macrotyloma uniflorum* (horsegram), *Manihot esculenta* (singkong, cassava), Medicago (medic), *Momordica charantia* (bitter gourd), Narcissus (daffodil), *Nicotiana tabacum* (tembakau, tobacco), *Olea europaea* subsp. *europaea* (olive), *Oryza sativa* (padi, rice), *Papaver somniferum* (Opium poppy), *Partheniu argentatum* (Guayule), Pelargonium (pelargoniums), *Pennisetum glaucum* (pearl		

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		millet), Phaseolus (beans), *Phaseolus vulgaris* (common bean), Pinopsida (conifers), *Pinus canariensis* (Canary pine), *Pinus caribaea* (Caribbean pine), *Pinus clausa* (sand pine), *Pinus halepensis* (Aleppo pine), *Pinus jeffreyi* (Jeffrey pine), *Pinus lambertiana* (big pine), *Pinus pinaster* (maritime pine)*Pinus pinea* (stone pine), *Pinus radiata* (radiata pine), *Piper betle* (betel pepper), *Piper nigrum* (black pepper), *Pisum sativum* (pea), *Plectranthus barbatus*, *Prosopis juliflora* (mesquite), *Prunus armeniaca* (apricot), *Prunus cerasus* (sour cherry), *Prunus persica* (peach), *Pseudotsuga menziesii* (Douglas-fir), *Psidium guajava* (jambu, guava), *Psophocarpus tetragonolobus* (winged bean), *Raphanus sativus* (lobak, radish), *Ricinus communis* (castor bean), *Saccharum officinarum* (sugarcane), *Sapium sebiferum* (Chinese tallow tree), *Sesamum indicum*		

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		(sesame), *Solanum lycopersicum* (tomat, tomato), *Solanum melongena* (aubergine), *Solanum tuberosum* (kentang, potato), *Solidago canadensis* (Canadian goldenrod), *Sorghum bicolor* (sorghum), *Sterculia urens* (kateera gum), Stylosanthes (pencil-flower), *Syzygium samarangense* (water apple), *Trifolium alexandrinum* (Berseem clover), *Trigonella foenum-graecum* (fenugreek), *Vicia faba* (faba bean), *Vigna aconitifolia* (moth beans), *Vigna mungo* (black gram), *Vigna radiata* (mung bean), *Vigna unguiculata* (cowpea), Vitis (grape), *Zea mays* (jagung, maize), Zingiber (jahe, ginger) *Actinidia deliciosa* (kiwifruit), *Artocarpus hirsutus* (wild jack fruit), *Cannabis sativa* (hemp), Chlorophytum, *Hibiscus schizopetalus* (fringed hibiscus), *Incarvillea delavayi*, *Salvia officinalis* (common sage), *Solanum viarum* (tropical soda apple),		

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		Stevia rebaudiana, Tagetes erecta (African marigold), *Vanilla planifolia* (vanilla)			
15.	[a]: *Sclerotium varium Pers.,(1801)* [s]: *Sclerotinia sclerotiorum*(Lib.) de Bary (=*Sclerotinia libertiana* Fuckel = *Whetzelinia sclerotiorum*(Lib.) Korf & Dumont =*Peziza sclerotiorum* Lib. =*Peziza coemansii* J.J. Kickx) Basidiomycota, Agaricomycotina, Agaricomycetes; cottony soft rot, white rot, Sclerotinia wilt, Sclerotinia head rot, Sclerotinia blossom blight, Sclerotinia drop Sclerotinia soft rot, Sclerotinia stalk rot, Sclerotinia stem rot, collar rot, Sclerotinia pod rot, Sclerotinia canker, Sclerotinia twig blight, watery pod rot, white mould, sclerotinia disease	I: jika MP tidak diproses II. jika MP diproses	*Abelmoschus esculentus* (okra), *Actinidia chinensis* (Chinese gooseberry), *Actinidia deliciosa* (kiwifruit), *Alcea rosea* (Hollyhock), *Allium cepa* (bawang bombay, onion), *Allium sativum* (bawang putih, garlic), *Anethum graveolens* (dill), *Angelica archangelica* (Angelica), *Antirrhinum majus* (snapdragon), *Apium graveolens* (seledri, celery), *Apium graveolens* var. *Rapaceum* (celeriac), *Arachis hypogaea* (kacang tanah, groundnut), *Arctium lappa* (burdock), *Asparagus officinalis* (asparagus), *Astragalus sinicus* (chinese clover), *Begonia tuberhybrida, Bellis perennis* (common daisy), *Beta vulgaris* var. *saccharifera* (sugarbeet), Brassica, Brassica napus var. napus (rape), *Brassica oleracea* var. *botrytis* (cauliflower),	umbi, buah, daun, akar, biji, batang, tanaman	Indonesia: Jawa (Barat, Tengah) Africa: Algeria, Congo, DR Congo, Egypt, Ethiopia, Kenya, Libya, Malawi, Mauritius, Morocco, Nigeria, St. Helena, South Africa, Tanzania, Zimbabwe America: Bermuda, Costa Rica, Cuba, El Salvador, Guatemala, Nicaragua, Panama, Canada, Mexico, USA, Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Peru, Uruguay, Venezuela Asia: Azerbaijan, China, Gaza, Georgia Republic of, India, Iran, Israel, Japan, Jordan, Korea Republic of (South Korea), Lebanon, Nepal, Pakistan, Singapore, Syria, Tajikistan, Thailand, Turkey, Uzbekistan, Vietnam Europe: Albania, Austria,

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		Brassica oleracea var. *capitata* (cabbage), *Brassica oleracea* var. *gemmifera* (Brussels sprouts), *Brassica oleracea* var. *gongylodes* (kohlrabi), *Brassica oleracea* var. *italica* (brokoli, broccoli), *Brassica oleracea* var. *viridis* (collards), *Brassica rapa* subsp. *chinensis* (Chinese cabbage), *Brassica rapa* subsp. *rapa* (turnip), Brassicaceae (cruciferous crops), Camellia, Campanula (campanulas), *Cannabis sativa* (hemp), *Capsicum annuum* (bell pepper), *Capsicum frutescens* (chilli), *Carthamus tinctorius* (safflower), *Carum carvi* (caraway), Chrysanthemum (daisy), *Cicer arietinum* (chickpea), Cichorium (chicory), *Citrullus lanatus* (semangka, watermelon), Citrus, *Citrus aurantiifolia* (lime), *Citrus aurantium* (sour orange), *Citrus maxima* (pummelo), *Citrus medica* (citron), *Citrus reticulata* (mandarin), *Citrus sinensis* (navel orange), *Citrus* x		Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech, Czech Republic and Slovakia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russian,Slovakia, Spain, Oceania: American Samoa, Australia, Fiji, New Zealand, Samoa Sweden, Switzerland, Ukraine, UK, Serbia, Slovenia, Serbia and Montenegro, Yugoslavia, Bosnia and Herzegovina, Macedonia,	

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		paradisi (grapefruit), *Corchorus olitorius* (jute), *Coriandrum sativum* (coriander), *Cucumis melo* (melon, melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima* (giant pumpkin), *Cynara cardunculus* L. var. *scolymus* (globe artichoke), *Daucus carota* (wortel,carrot), *Euphorbia pulcherrima* (poinsettia), *Foeniculum vulgare* (fennel), *Fragaria ananassa* (strawberry), *Glycine max* (kedelai, soyabean), *Brassica oleracea* var. *italica* (brokoli, broccoli), *Brassica oleracea* var. *viridis* (collards), *Brassica rapa* subsp. *chinensis* (Chinese cabbage), *Brassica rapa* subsp. *rapa* (turnip), Brassicaceae (cruciferous crops), Camellia, Campanula (campanulas), *Cannabis sativa* (hemp), Gossypium (cotton), *Helianthus annuus* (sunflower), *Helianthus tuberosus* (Jerusalem artichoke), *Hibiscus cannabinus* (kenaf),		

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		Humulus (hop), *Ipomoea batatas* (sweet potato), Iris (irises), *Lactuca sativa* (lettuce), *Lens culinaris* ssp. *culinaris* (lentil), Lilium (lili, lily), Lupinus (lupins), *Solanum lycopersicum* (tomat, tomato), *Malus domestica* (apel, apple), *Medicago sativa* (lucerne), Melilotus (melilots), *Mentha piperita* (Peppermint), Morus(mulberrytree), Musa(pisang, banana), *Nicotiana tabacum* (tembakau, tobacco), *Ocimum basilicum* (basil), *Panax ginseng* (Asiatic ginseng), *Papaver somniferum* (Opium poppy), *Pastinaca sativa* (parsnip), *Persea americana* (avocado), Petunia, Phaseolus (beans), *Phaseolus coccineus* (runner bean), *Phaseolus lunatus* (lima bean), *Phaseolus radiata*, *Phaseolus vulgaris* (common bean), Phlox, *Pisum sativum* (pea), Prunus (stone fruit), *Rheum hybridum* (rhubarb), *Ricinus communis* (castor bean), Rosa (roses),		

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		Rosmarinus officinalis (rosemary), *Rubus idaeus* (raspberry), *Saccharumofficinarum* (sugarcane), *Sesamum indicum* (sesame), *Solanum melongena* (aubergine), *Solanum tuberosum* (kentang, potato), *Spinacia oleracea* (bayam, spinach), Trifolium (clovers), Tulipa (tulip), *Vicia faba* (broad bean), *Vigna angularis* (adzuki bean), *Vigna mungo* (black gram), *Vigna radiata* (mung bean), Viola (violet), Zinnia *Acroptilon repens* (Russian knapweed), *Anemone coronaria* (poppy anemone), Aquilegia, *A. flabellata*, *Arabidobsis thaliana*, *Argyranthemum frutescens*, Asclepias (Silkweed), *Aster ericoides* (Heath aster), Berberis (barberries), *Borago officinalis* (Borage), *Brassica carinata* (African cabbage), *Brassica oleracea* (cabbages, cauliflowers), *Brassica rapa* subsp. *pekinensis*, Carduus (thistle), Centaurea		

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		(Knapweed), *Chenopodium album* (fat hen), *Citrus limonia* (mandarin lime), *Cosmos bipinnatus* (garden cosmos), *Cucurbita moschata* (pumpkin), *Cucurbita pepo* (ornamentalgourd), *Cynoglossum officinale* (hound's tongue), *Datura stramonium* (jimsonweed), *Eustoma grandiflorum* (Lisianthus (cut flower crop)), *Felicia amelloides*, *Guizotia abyssinica* (niger), *Hibiscus trionum* (Venice mallow), *Iberis sempervirens* (edging candytuft), *Lagenaria siceraria* (bottle gourd), *Lantana camara* (lantana), Marrubium (horehound), *Mentha spicata* (Spear mint), Osteospermum, Pelargonium (pelargoniums), *Petroselinum crispum* (parsley), *Pistacia vera* (pistachio), *Prunus avium* (sweet cherry), *Ranunculus repens* (creeping buttercup), *Sonchus asper*, *Thymus citriodorus*, *Trachyspermum ammi*, *Vaccinium corymbosum* (blueberry), *Vaccinium*		

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			virgatum, *Xanthium cavanellesii*, *Xerochrysum bracteatum*		
16.	[a]:*Sphaceloma ampelinum de* Bary; (=*Gloeosporium ampelophagum* (Pass.) Sacc. =*Ramularia ampelophaga* Pass. =*Torula meyeni* Ber. & Terv. =*Ramularia meyeni* Gar. & Catt. =*Gloeosporium venetum* Speg. =*Manginia ampelina* (de Bary) Viala & Pacottet) [s]: *Elsinoe ampelina*Shear;(=*Uleomyces parasiticus* Henn. =*Plectodiscella veneta* Burkh. =*Elsinoë viticola* Racib.)	I: jika MP tidak diproses II. jika MP diproses	*Vitis vinifera* (grapevine) *Rubus fruticosus* (blackberry), *Rubus idaeus* (raspberry), *Vitis labrusca* (fox grape), *Vitis rupestris* (sand-grape)	buah, bunga, daun, batang	Indonesia: Bali Africa: Kenya, Madagascar, Mauritius, Morocco, Mozambique, South Africa, Tanzania, Zambia, Zimbabwe America: Barbados, Bermuda, Costa Rica, Cuba, Dominican Republic, Haiti, Jamaica, Puerto Rico, Canada, Mexico, USA, Argentina, Brazil, Chile, Colombia, Paraguay, Peru, Uruguay, Venezuela Asia: Afghanistan, Cambodia, China, India, Iran, Japan, Korea Republic of (South Korea), Myanmar, Pakistan, Taiwan, Turkey Europe: Austria, Belgium, Bulgaria, Former USSR, France, Germany, Greece, Italy, Malta, Netherlands, Poland, Portugal, Romania, Russia, Serbia and Montenegro, Slovenia,
	Ascomycota, Pezizomycotina, Dothideomycetes; Grape anthracnose; grape black spot; grape black rot; bird's eye spot; bird's eye rot; vine black spot; bird's eye fungus; anthracnose of grapevine; bird's eye disease of grapevine; black spot of grapevine				

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					Spain, Switzerland, UK
17.	[a]:*Stagonospora sacchari*T.T. Lo & K.C. Ling [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; Gosong daun tebu(Sugarcane scorch), leaf scorch	I: jika MP tidak diproses II. jika MP diproses	*Saccharum officinarum* (tebu, sugarcane) *Imperata cylindrica* (cogon grass), *Miscanthus japonica*, *Miscanthus sinensis* (eulalia), *Rottboellia cochinchinensis* (itch grass), *Saccharum spontaneum* (wild sugarcane)	daun	Oceania: Australia, New Zealand, Papua New Guinea Indonesia: Lampung, Jawa. Africa: South Africa. America: Argentina, Panama, Venezuela, Oceania, Papua New Guinea. Asia: China, Taiwan, India, Japan, Philippines, Thailand, Vietnam. Oceania: Papua New Guinea
18.	[a]: *Stemphylium vesicarium*(Wallr.) E.G. Simmons [s]:*Pleospora allii*(Rabenh.) Ces. & De Not. Ascomycota, Pezizomycotina, Dothideomycetes; onion leaf blight; garlic leaf blight; purple spot of asparagus; brown spot of pear; garlic leaf spot; onion leaf spot; asparagus leaf spot; Stemphylium blight of onion; leaf blight: onion; purple spot: Asparagus spp.	I: jika MP tidak diproses II. jika MP diproses	*Allium cepa* (onion), *Allium cepa* var. *aggregatum* (shallot), *Allium sativum* (garlic), *Asparagus officinalis* (asparagus), *Glycine max* (soyabean), *Solanum lycopersicum* (tomato), *Mangifera indica* (mango), *Medicago sativa* (lucerne), *Medicago tribuloides* (barrel medic), *Pyrus communis* (European pear), *Solanum lycopersicum* (tomato) Aster, *Helianthus anuus* (sunflower), *Raphanus sativus* (radish)	buah, daun, biji	Indonesia: Jawa Africa: Egypt, Senegal, South Africa, America: Jamaica, Canada, USA, Argentina, Brazil, Chile, Venezuela Asia: China, India, Iran, Iraq, Israel, Japan, Korea Republic of (South Korea), Malaysia, Saudi Arabia, Sri Lanka, Taiwan, United Arab Emirates, Europe: Belgium, Cyprus, France, Germany, Greece, Italy, Netherlands, Portugal, Slovakia, Spain,

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						Sweden, Switzerland, UK Oceania: Australia, New Zealand, Tonga, Vanuatu
19.	[a]:*Helminthosporium solani*Durieu & Mont; (=*Cladosporium abietinum* Zukal =*Spondylocladium atrovirens*(Harz.) C. Harz ex Sacc. =*Brachysporium solani* (Durieu & Mont.) Sacc. =Dematium atrovirens Harz =Helminthosporium atrovirens (Harz) E.W. Mason & S. Hughes) [s]: - Ascomycota, Pezizomycotina, Dothideomycetes; Silver scurf	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato)	umbi, akar, tunas		Indonesia: Jawa, Sumatra (Selatan, Utara, Barat, Jambi) Africa: Morocco, South Africa America: Argentina, Bolivia, Brazil,Canada, Chile, Colombia, Cuba, Mexico, Peru, USA, Venezuela Asia: China,Taiwan, India,Iran, Israel, Japan, Myanmar, Singapore, Turkey Europe: Austria,Belarus, Bulgaria, Czech Republic and Slovakia, Denmark, France, Germany, Greece, Hungary,Ireland, Italy, The Netherlands, Norway, Poland, Romania, Rusia, Swedia,Switzerlands, UK Oceania: Australia, New Caledonia, New Zealand, Papua New Guinea
20.	[c]: *Peronosclerospora philippinensis* (W. Weston) C.G. Shaw; (=Sclerospora philippinensis)	I: jika MP tidak diproses II. jika MP	*Zea mays* (maize) *Avena sativa* (oats), *Saccharum officinarum* (sugarcane), *Saccharum*	biji, daun		Indonesia: Sulawesi Africa: Mauritirus Asia: China, India, Japan, Nepal, Pakistan,

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	Oomycota, Oomycetes; philippine downy mildew	diproses	*spontaneum* (wild sugarcane), *Sorghum bicolor* (sorghum), *Sorghum halepense* (Johnson grass), *Zea mays* subsp. *mexicana* (teosinte)		Philippines, Taiwan, Thailand
21.	[c]: *Peronosclerospora sorghi*(Weston & Uppal) C.G Shaw. (1978); (=*Sclerospora graminicola var. andropogonis-sorghi* Kulk. =*Sclerospora sorghi* W. Weston & Uppal (1932) =*Sclerospora andropogonis-sorghi* (Kulk.) Mundk. =*Sorosporium andropogonis-sorghi* S. Ito) Oomycota, Oomycetes, Sclerosporales; Sorghum downy mildew, mildew of maize and sorghum	I: jika MP tidak diproses II. jika MP diproses	*Sorghum bicolor* (sorgum, sorghum), *Sorghum* spp., *Zea mays* (jagung, corn, maize) *Andropogon sorghi, Panicum trypheron, Pennisetum glaucum, Sorghum halepense, Sorghum almum, Sorghum arundinaceum, Sorghum caffrorum, Sorghum propinquum, Sorghum sudanense, Sorghum vesicolor, Sorghum virgatum, Zea mexicana, Zea diploperennis,*	biji, daun, media tanam (tanah)	Indonesia: Jawa (Barat) Africa: Benin, Botswana, Burkina Faso, Burundi, Egypt, Ethiopia, Ghana, Kenya, Malawi, Mauritania, Mauritius, Mozambique, Nigeria, Rwanda, Somalia, South Africa,Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe America: Argentina, Bolivia, Brazil, Colombia, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, Puerto Rico, USA, Uruguay, Venezuela Asia: Bangladesh, Cambodia, China, East Timor, Taiwan, India,Iran, Israel, Japan, Nepal, Pakistan, Philippines, Thailand, Yemen, Vietnam, Europe: Italy Oceania: Australia

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22.	[c]: *Peronospora manshurica* (Naum) Syd. (1923); (=*Peronospora sojae* F. Lehm. & F.A. Wolf =*Peronospora trifolium* var. *manchurica* Naumov) Oomycota, Oomycetes, Peronosporales; Downy mildew, embun bulu	I: jika MP tidak diproses II. jika MP diproses	*Glycine max* (kedelai, soybean)	biji, bunga, polong, daun	Indonesia: Jawa Timur, Jawa Barat (Bogor). Africa: Ethiopia, South Africa, Zimbabwe. America: Argentina, Bermuda, Bolivia, Brazil, Canada, Colombia, Cuba, Mexico, Puerto Rico, USA. Asia: China, Taiwan, India, Iran, Israel, Japan, Kazakhstan, Korea DPR (North Korea), Korea Republic of (South Korea), Malaysia, Philippines, Russia, Taiwan, Thailand, Turkey, Vietnam. Europe: Bulgaria, Croatia, Czech Republic, Czech Republic and Slovakia, Denmark, France, Germany, Hungary, Italy, Latvia, Moldova, Poland, Romania, Russia, Slovakia, Sweden, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Serbia and Montenegro, Macedonia. Oceania: Australia, New Zealand.

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23.	[c]: *Phytophthora citrophthora*(R.H Sm & E. Sm) Leonia) (=*Pythiacystis citrophthora*R.E Sm. & E.H. Sm.) Oomycota, Oomycetes; brown rot of *Citrus* fruit, foot rot of *Citrus*, cocoa black pod, stem necrosis, canker, seedling blight	I: jika MP tidak diproses II. jika MP diproses	*Citrus* spp., *Theobroma cacao* (kakao, cocoa) *Actinidia deliciosa* (kiwi), *Mandevilla* spp., *Tabernae coronaria, Euonymus* spp., *Rhododendron* spp., *Hevea brasiliensis* (karet, rubber tree), *Fagus* spp., *Ribes sanguineum, Juglans* spp., *Sandoricum koetjape* (kecapi, kecaphi) *Ficus elastica, Cocos nucifera* (kelapa, coconut), *Sesamum indicum* (wijen, sesame), *Piper nigrum* (lada, pepper), *Pistacia vera, Fragaria* spp., *Prunus domestica, Rubus idaeus, Coptis japonica, Murraya* sp., *Poncirus trifoliate, Capsicum annuum* (cabai, hot pepper, chilies, red pepper), *Taxus* spp., *Sequoiadendron giganteum, Abies lasiocarpa* var. *arizonica, Acca sellowiana*, Buxus, *Castanea sativa* (chesnut), *Chamaecyparis lawsonia* (Port oxford cedar), *Citrullus lanatus* (semangka, watermelon), *Citrus limetta* (sweet lemon tree), *C. limon* (lemon), *C. maxima*	biji, buah, daun, akar, batang, media tanam	Indonesia: Sulawesi (Tengah), NTT (Soe) Africa: Algeria, Angola, DR Congo, Ivory Coast, Egypt, Ethiopia, Kenya, Mauritius, Morocco, Mozambique, Senegal, South Africa, Tunisia, Zambia, Zimbabwe America: Argentina, Barbados, Brazil, Chile, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, French Guiana, Guadeloupe, Guatemala, Guyana, Haiti, Jamaica, Martinique, Mexico, Panama, Peru, Puerto Rico, Suriname, Trinidad and Tobago, USA, Uruguay, Venezuela Asia: Bangladesh, China, Taiwan, Georgia Republic of, India, Iran, Iraq, Israel, Japan, Jordan, Korea Republic of (South Korea), Lebanon, Malaysia, Pakistan, Philippines, Thailand, Turkey, Vietnam, Yemen Europe: Bulgaria, Cyprus, Czech Republic, Former

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			(pummelo), *C. sinensis* (nevel orange), *Diospyros kaki* (persommon), *Fragaria regia* (walnut), *Lavandula angustifolia* (lavender), *Ligustrum vulgare*, *Nothofagus obliqua*, *Pandorea jasminoides*, *Pelargonium graveolens*, *Picea abies*, *Pistacia vera*, *Prunus armeniaca* (aprikot, apricot), *Prunus avium*, *Prunus dulcis*, *Ribes sanguineum*, *Rosmarinus officinalis*, *Sciadopitys verticillata*, *Solanum tuberosum* (kentang, potato), *Syringa vulgaris*, *Theobroma cacao*, Vaccinium (bluberries)		USSR, France, Greece, Hungary, Italy, Poland, Portugal, Rusia, Spain, Switzerland, UK Oceania:Australia, Cook Islands, Fiji, New Caledonia, New Zealand
24.	[c]: *Phytophthora fragariae*C.J. Hickman; (=*Phytophthora fragariae* var. *fragariae* Hickman) Oomycota, Oomycetes; Red core, red stele disease, strawberry red stele root rot, raspberry root rot, red core disease of strawberry, red core of strawberry, red disease of strawberry, red stele of strawberry	I: jika MP tidak diproses II. jika MP diproses	Fragaria, *Fragaria ananassa* *Fragaria vesca* (Arbei, strawberry), *Rubus idaeus* (raspberry) *Fragaria chiloensis* (chilean strawberry)	stolon, akar, batang, bibit,media tanam	Indonesia: Jawa. Africa: Egypt. America: Canada, Chile, Ecuador, Mexico, USA. Asia:India, Israel, China, Taiwan, Japan, Lebanon, Syria. Europe: Austria, Belgium, Bulgaria, Cyprus, Czech Republic and Slovakia, Denmark, France, Germany, Hungary, Ireland, Italy, Lithuania,

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					Luxembourg, Netherlands, Norway, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK, Scotland. Oceania: Australia, New Zealand.
25.	[p]: *Spongospora subterranea* f.sp. *subterranea*(Wallr.) Lagerh.; (=Sorosporium scabies (Berk.) A.A. Fisch. Waldh.) Plasmodiophoromycota, Plasmodiophoromycetes; Slimy rot,powdery scab, corky scab, corky scab: potato, powdery scab of potato, powdery scab: potato, tomato powdery scab	I: jika MP tidak diproses II. jika MP diproses	*Solanum tuberosum* (kentang, potato), *Solanum lycopersicum*(tomat, tomato) *Capsicum annuum* (bell pepper), *Datura stramonium* (jimsonweed), *Nicandra physalodes* (apple of Peru), *Nicotiana rustica* (wild tobacco), *Physalis peruviana* (Cape gooseberry), *Solanum marginatum* (white-edged nightshade), *Solanum nigrum* (black nightshade), *Tussilago farfara* (Colt's-foot), *Ullucus tuberosus* (Ulluco)	umbi, bonggol, media tanam (tanah) sebagai vektor: *Potato mop-top pomovirus*	Indonesia: Jawa Africa: Algeria, Burundi, Egypt, Kenya, Madagascar, Mauritius, Morocco, Mozambique, Rwanda, South Africa, Tanzania, Tunisia, Zimbabwe. America: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Falkland Islands, Mexico, Panama, Peru, USA, Hawaii, Uruguay, Venezuela. Asia: China, Taiwan, India, Iran, Israel, Japan, Kazakhstan, Kyrgyzstan, Lebanon, Nepal, Pakistan, Philippines, Sri Lanka, Turkey. Europe: Austria, Belgium, Bulgaria, Cyprus, Czech Republic and Slovakia, Denmark, Finland, Serbia,

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					Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Germany, Greece, Ireland, Italy, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Sweden, Switzerland, UK. Oceania: Australia, New Zealand.
26.	[r]:Physopella ampelopsidis (Dietel & P. Syd.) (1959); (=Phakopsora ampelopsidis Dietel & P. Syd., (1898) =Phakopsora ampelosidis Dietel & P. Syd. (1898) =Angiopsora ampelopsidis (Dietel & P. Syd.) (1949) Basidiomycota, Pucciniomycotina, Pucciniomycetes; Karat, Rust	I: jika MP tidak diproses II. jika MP diproses	*Vitis vinifera* (anggur, grapevine), *Parthenocissus tricuspidata* (Boston ivy), *Meliosma* sp., Vitaceae, *Ampelocissus robinsonii, A. heterophylla, Cissus yoshimurae, Meliosma myriantha, Partheocissus thunbergii, P. tricuspidata, Quinaria tricuspidata, Vitis caribaea, V. coignatiae, V. flexuosa, V. lanata, V. munsoniana, V. tiliifolia, V.*	daun,batang	Indonesia: Jawa (Tengah, Timur), Bali, Sulawesi (Selatan) Asia: China, Japan, Korea Republic of (South Korea), Nepal, Taiwan. Oceania: Australia
27.	[r]: *Uromycladium tepperianum*(Saccardo) Mc. Alpine; (=*Uromyces tepperianus* Sacc. =Ca*eomurus tepperianus* (Sacc.) Kuntze) Basidiomycota,	I: jika MP tidak diproses II. jika MP diproses	Sengon, *Acacia saligna* (Port jackson wattle)	bibit, batang	Indonesia: Maluku, Jawa (Timur, Barat, Tengah), Sulawesi, Sumatera (Bengkulu), Bali Africa: South Africa Asia: Malaysia, Filipina

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Pucciniomycotina, Pucciniomycetes; Rust, gall rust				

VII. BAKTERI (*BACTERI*)

No	NAMA ILMIAH/ SINONIM/ KLASIFIKASI/ NAMA UMUM/ *SCIENTIFIC NAME/ SYNONIM/ TAXON/ COMMON NAME*	GOLONGAN/ *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA / *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Burkholderia glumae* (Kurita & Tabei)Urakami et al., (= *Pseudomonas glumae*);Burkholderiales: Burkholderiaceae;bacterial grain rot; grain rot; bacterial rot; rice grain rot; rice rot; rice blight; sheath rot; grain sterility of rice; grain discoloration of rice	I	*Oryza sativa* (padi, rice) *Lolium multiflorum* (Italian ryegrass)	biji, bibit	Indonesia: Jawa, Sumatera, Kalimantan Asia: China, Taiwan, Japan, Korea, Philippines, Sri Lanka, Vietnam America: Colombia, Panama, USA Africa: Burkina Faso
2.	*Clavibacter michiganensis*subsp. *michiganensis* (Smith) Davis *et al.*;(=*Aplanobacter michiganensis* =*Bacterium michiganense* =*Corynebacterium michiganense pv. michiganense* =*C. michiganense* subsp. *michiganense*	I	*Capsicum frutescens* (cabai rawit, hot pepper, chilies), *Capsicum annuum* (paprika, bell-pepper, red pepper), *Lycopersicum esculentum* (tomat, tomato), *Solanum melongena* (terung, eggplant, aubergine) *Solanum mammosum*, *S.dauglas*, *S. nigrum*, *S. trifolium*	akar, batang, daun, bunga, buah, biji, media tanam	Indonesia: Sumatera (Barat, Selatan), Jawa (Jawa Barat, Jawa Timur, Banten) Europe: Austria, Belarus, Belgium, Bulgaria, Cyprus, Czech, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan,

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=*C. michiganense* =*Erwinia michiganensis* (=*michiganense*) =*Mycobacterium michiganense* =*Phytomonas michiganensis* =*Pseudomonas michiganense* =*P. michiganensis*);Actynomycetales: Microbacteriaceae; bacterial cancer, birds eye spot				Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, France, Germany, Greece, Hungary, Italy, The Netherlands, Poland, Romania, Russia, Slovenia, Spain, Switzerlands, Ukraina, UK, Serbia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia. Asia: Armenia, Azerbaijan, China, India, Iran, Israel, Japan, Republik of Korea (South Korea), Libanon, Syria, Turkey. Africa: Egypt, Kenya, Madagascar, Morocco, South Africa, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe. America:Argentina, Belize, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Equador, Grenada, Guadeloupe, Mexico, Panama, Peru, USA, Uruguay. Oceania: Australia, New Zealand, New Caledonia, Guam, Fiji, Tonga.

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3.	*Leifsonia xyli*subsp.*xyli*(Davis et al.) Evtushenko et al.); (=*Clavibacter xyli* = *Clavibacter xyli* subsp. *xyli*); Actynomycetales: Microbacteriaceae; ratoon stunting of sugarcane, sugarcane ratoon stunting disease	I	Saccharum, *Saccharum officinarum* (tebu, sugarcane) *Zea mays* (jagung, corn, maize), *Sorghum bicolor* (sorgum, sorghum), *Brachiaria* spp., *Chloris gayana, Cynodon dactylon, Echinochloa colonum, Imperata xylindrical, Panicum maximum, Pennisetum purpureum* dan *Rhynchelytrum repens.*	stek, batang (stem stoke), mata tunas, bunga, akar, bibit.	Indonesia: Jawa Europe: Spain. Asia: Bangladesh, China, Taiwan, India, Japan, Malaysia, Myanmar, Pakistan, Philippines, Sri Lanka, Thailand. Africa: Burkina Faso, Cameroon, Comoros, DR Congo, Ivory Coast, Djibouti, Egypt, Ethiopia, Kenya, Madagascar, Malawi, Mali, Mauritius, Mozambique, Nigeria, Réunion, Seychelles, Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zimbabwe. America: Antigua and Barbuda, Argentina, Barbados, Belize, Bolivia, Brazil Colombia, Cuba, Dominican Republic, El Salvador, French Guiana, Guadeloupe, Guyana, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Saint Kitts and Nevis, Trinidad and Tobago, USA, Hawaii, Uruguay, Venezuela. Oceania: Australia, Fiji.	

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4.	*Pantoea stewartii sub sp. stewartii*(Smith) Mergaert *et al.; (=Aplanobacter stewartii =Bacillus stewartii =Bacterium stewartii =Erwinia stewartii =Pantoea stewartii* subsp. *stewartii =Phytomonas stewartii =Pseudobacterium stewartii =Pseudomonas stewartii =Xanthomonas stewartii);* Enterobacteriales: Enterobacteriaceae, bacterialblight of maize, bacterial wilt of maize, maize bacteriosis, Stewart's wilt	I	*Zea mays* (jagung, corn, maize), *Zea mexicana* (teosinte) *Zea mays subsp. mays* (sweetcorn), *Zea mays subsp. parviglumis*. *Saccharum officinarum* (tebu, sugarcane), *Sorghum bicolor* (sorgum, sorghum), *Triticum aestivum* (gandum, wheat), *Vigna radiata* (kacang hijau, mungbean), *Cucumis sativus* (mentimun, cucumber), *Agrotis alba, Avena sativa, , Coix lacryma-jobi, Echinochloa americana, Trapsacum*spp., *Panicum*spp., *Setaria pumila, Zea perennis*, berbagai gulma Poaceae (Gramineae), *Agrostis gigantea* (black bent), *Draccaena sanderiana*	biji, bunga, daun, akar, batang, Vektor: *Chaetocne m pulicaria,A grotis manchus, Chaetocne ma denticulata , Diabrotica nigricornis, D. undecimpu ctata, D. versifera, Hylemya cilicrura.*	Indonesia: Jawa, Sumatera, Sulawesi, Lombok Europe: Austria, Yunani, Poland, Russia, Croatia, Greece, Italy, Netherland, Romania, Serbia, Switzerland, Yugorslavia Asia: China, India, Malaysia, Thailand, Vietnam, Korea America: Bolivia, Brazil, Canada, Costa Rica, Guyana, Mexico, Peru, Puerto Rico, USA, Trinidad and Tobago, Argentina, Paraguay
5.	*Pseudomonas cichorii*(Swingle) Stapp.; Pseudomonadales: Pseudomonadaceae; hawar bakteri	I	*Glycine max* (kedelai, soybean), *Apium graveolens* (selederi, celery), *Dahlia, Lactuca sativa* (selada, lettuce), *Nicotiana tabacum* (tembakau, tobacco) *Apium graveolens* (celery), *Chrysanthemum* (daisy),	biji	Indonesia: Jawa Barat (Cianjur). Europe: France, Germany, Greece, Italy, Macedonia, Portugal, Russia, Spain, Ukraine, UK. Asia: China, Taiwan, India, Iran, Japan,

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Chrysanthemum coronarium (garland chrysanthemum), *Chrysanthemum morifolium* (chrysanthemum (florists')), *Chrysanthemum vestitum*, *Cichorium endivia* (endives), *Cichorium endivia* subsp. *endivia* (endives), *Cichorium endivia* var. *crispum* (Winter endive), *Cichorium intybus* (chicory), Dahlia Gerbera (Barbeton daisy), *Gerbera jamesonii* (African daisy), *Glycine max* (kedelai, soybean)*Hibiscus rosa-sinensis* (China-rose), *Lactuca sativa* (lettuce), *Nicotiana tabacum* (tembakau, tobacco) Pelargonium (pelargoniums), *Vigna angularis* (adzuki bean) *Abelmoschus esculentus* (okra, achra), Agaricus, *Allium sativum* (bawang putih, garlic), *Arracacia xanthorrhiza* (arracacha), *Barleria cristata* (philippine violet), *Brassica napus* var. *napus* (rape), *Brassica oleracea* var. *botrytis* (cauliflower), *Brassica*		Republic of Korea (South Korea) Africa: Burundi, South Africa, Tanzania. America: Argentina, Barbados, Brazil, Canada, Chile, Cuba, USA, Hawai. Oceania: Australia, New Zealand.	

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		oleracea var. *capitata* (kubis, cabbage), *Brassicarapa* ssp. *oleifera* (turnip rape), *Brassica rapa* subsp. *chinensis* (kChinese cabbage), *Brassica rapa* subsp. *pekinensis* (Pe-tsai), *Calendula officinalis* (Pot marigold), Camellia, Capsicum (peppers), *Capsicum annuum* (paprika, bell pepper), *Carthamus tinctorius* (safflower), *Centaurea cyanus* (cornflower), *Citrullus lanatus* (watermelon), *Coffea arabica* (arabica coffee), Cyclamen, *Daucus carota* (carrot), *Ficus lyrata* (fiddle-leaf fig), *Glycine max* (kedelai, soyabean), *Hedera helix* (ivy), Helianthus (sunflower), Hydrangea (hydrangeas), *Lycopersicon esculentum* (tomat, tomato), *Magnolia grandiflora* (Southern magnolia), *Malus domestica* (apel, apple), *Mentha arvensis* (Corn mint), *Monstera deliciosa* (cerimam), Musa sp. (banana), *Nicotiana tabacum* (tembakau, tobacco), *Ocimum basilicum*		

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		(basil), *Panax ginseng* (Asiatic ginseng), *Papaver nudicaule* (Iceland poppy), *Papaver orientale* (Oriental poppy), *Pernettya mucronata* (prickly heath (UK)), *Phaseolus vulgaris* (common bean), Potentilla (Cinquefoil), *Primula polyantha*, *Prunus persica* (peach), Pyracantha (Firethorn), *Pyrus communis* (European pear), *Ranunculus acris* (Meadow buttercup), *Rhododendron catawbiense*, Scindapsus, *Solanum melongena* (aubergine), Spathiphyllum, *Triticum aestivum* (gandum, wheat), Viburnum, *Xanthosoma brasiliens*		
6.	*Pseudomonas syringae*pv.*lachrymans*; (=*Bacillus lachrymans* =*Bacterium burgeri* =*Bacterium lachrymans* =*Chlorobacter lachrymans* =*Phytomonas lachrymans* =*Pseudomonas lachrymans* =*P.lachrymans* f. *cucumis* =*P.burgeri*); Pseudomonadales: Pseudomonadaceae; angularspot of cucumber,	I	*Cucumis sativus* (mentimun, cucumber), *Benincasa hispida*, *Citrullus lunatus*, *Cucumis auguria*, *Cucumis melo*, *Cucurbita moschata*, *Cucurbita pepo*, *Luffa acutangula*, *Sechium edule*, *Solanum melongena* (Terung, eggplant)	kulit, buah, daun, biji, planlet, batang, bibit	Indonesia: Jawa Barat, Jawa Tengah, Banten, Sumatera selatan Europe: Austria, Belarus, Bulgaria, Czech, Denmark, France, Germany, Greece, Hungary, Italy, Moldova, Netherlands, Poland, Romania, Russia, Slovakia, Switzerland, Ukraine, UK, Serbia, Slovenia, Croatia, Bosnia

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				bacterialspot	and Herzegovina, Montenegro, Macedonia, Yugoslavia Asia: China, India, Iran, Israel, Japan, Jordan, Kazakhstan, Korea, Laos, Philippines, Singapore, Tajikistan, Thailand, Turkey, Uzbekistan Africa: Algeria, Egypt, Gabon, Kenya, South Africa, Zimbabwe America: Argentina, Brazil, Canada, Colombia, Guadeloupe, Martinique, Mexico, Nicaragua, Puerto Rico, USA, Venezuela Oceania: Australia, New Zealand
7.	*Pseudomonas syringae*pv. *mori*(Boyer & Lambert) Young et al.; Pseudomonadales: Pseudomonadaceae; hawar daun	I	*Cannabis sativa* (hemp), *Morus bombycis* (Japanese mulberry), *Morus nigra* (black mulberry), *Morus rubra (red mulberrytree), Phaseolus lunatus* (lima bean) *Morus alba* (murbei, mulberry) Morus (mulberrytree)	daun, biji, batang,	Indonesia: Jawa Europe: Bulgaria, Czech Republic and Slovakia, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Germany, Hungary, Italy, Romania, UK

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					Asia: China, India, Iran, Japan, Korea DPR (North Korea), Republic of Korea (South Korea), Pakistan, Turkey. Africa: South Africa, Tanzania, Uganda, Zimbabwe. America: Brazil, Canada, Caribbean, USA. Oceania: Australia, New Zealand.
8.	*Ralstonia syzygii*(=*Pseudomonas syzygii* (Roberts et al).;Pseudomonadales: Pseudomonadaceae; bakteri pembuluh kayu *Syzygium aromaticum* (cengkeh, clove) (BPKC)	I	*Syzygium aromaticum* (cengkeh, clove), *Syzygium* spp., *Eugenia* spp.	bibit, daun, akar, batang. vektor: Hemiptera, Machaeroti dae: *Hindola* spp.	Indonesia: Sumatera (Lampung), Jawa, Bali, Sulawesi, Kalimantan Selatan Maluku

VIII. VIRUS (*VIRUSES*)

NO	NAMA ILMIAH/ SINONIM/ *SCIENTIFIC NAME/ SYNONIM*	GOLONGAN / *GROUP*	INANG/ *HOST*	MEDIA PEMBAWA/ *PATHWAY*	DAERAH SEBAR/ *GEOGRAPHICAL DISTRIBUTION*
1.	*Banana streak badnavirus (BSV);*(= *Banana streak virus)*	I	*Musa* spp. (pisang, banana)	Tanaman, akar, batang,	Indonesia: Jawa Barat, Lampung,

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			daun, bunga, buah		Africa: Benin, Cameroon, Cape Verde, Ivory Coast, Ghana, Guinea, Kenya, Madagascar, Malawi, Mauritius, Morocco, Nigeria, Rwanda, South Africa, Tanzania, Uganda. America: Brazil, Colombia, Costa Rica, Cuba, Ecuador, Grenada, Guadeloupe, Haiti, Honduras, Jamaica, Nicaragua, Puerto Rico, Saint Lucia, Trinidad and Tobago, USA, Virgin Islands, Venezuela. Asia: China, Taiwan, India, Jordan, Malaysia, Philippines, Sri Lanka, Thailand. Europe: Portugal, Spain. Oceania: Australia, New Caledonia, Papua New Guinea, Samoa, Tonga.
2.	*Carnation mottle carmovirus*(CarMV);(= *Carnation mottle virus)*	I	*Dianthus caryophyllus, D.barbatus, Begonia* spp., *Sapo naria officinalis, Daphne odora, D.superbus, Tetragonia tetragonioides, Vaccaria hispanica*	suluran (stolon), tanaman	Indonesia: Jawa barat (Cipanas) Africa: Egypt America: Argentina, Colombia Asia: China, India Europe: Czech, Slovakia, Belarus, Latvia, Lithuania, Estonia, Moldova, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgystan,

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					Tajikistan, Turkmenistan, Uzbekistan, Ukraina, Russia, Hungary, Italy
3.	*Carnation ringspot dianthovirus* (CRSV);(=*Carnation ringspot virus)*	I	Dianthus (carnation), *Dianthus barbatus* (sweet williams), *Dianthus caryophyllus* (carnation), *Malus sylvestris* (crab-apple tree), *Prunus avium* (sweet cherry), *Prunus cerasus* (sour cherry), *Prunus domestica* (plum), *Pyrus communis* (European pear), *Prunus salicina* (Japanese plum), *Vitis vinifera* (grapevine)	daun, biji, bibit tanaman	Indonesia;Jawa barat (Cipanas) America: North America, Canada, Mexico, USA, Brazil, Colombia Europe: Denmark, Finland, France, Germany, Italy, Lithuania, Netherlands, Poland, Russia, UK Oceania: Australia, New Zealand
4.	*Citrus exocortis pospiviroid* (CEVd);(=*Citrus exocortis viroid)*	I	*Citroncirus webberi* (citrange), *Citrus limon* (lemon), *Citrus limonia* (jeruk limau, mandarin lime), *Citrus reticulata* x *Poncirus trifoliata* (citrumelo), *Poncirus trifoliate* (trifoliate orange) *Brassica rapa. Oleifera* (turnip rape), *Chrysanthemum vestitum, Citrus, Daucus carota* (wortel, carrot), *Gynura aurantiaca* (java velvet plant), *Gynura*	buah, polong, tunasbunga, daun, batang, tanaman.	Indonesia: Jawa Asia: China, India, Iran, Irak, Israel, Japan, Jordan, Korea Republic of (South Korea), Lebanon, Malaysia, Oman, Pakistan, Philippines, Saudi Arabia, Syria, Thailand, Turkey, United Arab Emirates, Vietnam, Yemen Eropa: Cyprus, Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, France, Italy, Portugal, Russia, Spain.

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			procumbens, Lycopersicon esculentum (tomat, tomato), *Petunia hybrida, Solanum melongena* (terong, aubergine), *Solanum tuberosum* (kentang, potato), *Tagetes patula (French marigold), Vicia faba* (broad bean), *Vitis vinifera* (grapevine)			
5.	*Cymbidium ringspot tombusvirus* (CymRSV);(=*Cymbidium ringspot virus)*	I		Orchidaceae (*Cymbidium*) *Trifolium repens, Vigna ungiculata*	tanaman	Indonesia: Jawa Barat (Bogor, Cipanas) Europe: UK
6.	*Fiji phytoreovirus*	I		*Saccharum officinarum* (tebu, sugarcane)	bibit, tanaman	Indonesia: Papua, Sulawesi, Africa: Madagascar Asia: Malaysia, Philippines, Thailand. Oceania: American Samoa, Australia, Fiji, New Caledonia, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu.
7.	*Onion yellow dwarf potyvirus (OYDV);(= Onion yellow dwarf virus)*	I		*Allium ascalonicum* (bawang merah, shallot), *Allium cepa, Allium porrum, Allium sativum*	bibit,umbi	Indonesia: Jawa Africa: Morocco, South Africa. America: Argentina, Brazil, Canada, Chile, Cuba, USA, Uruguay. Asia: China, India, Iran, Iraq, Israel, Japan, Thailand, Turkey Europe: Austria, Czech

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					Republic and Slovakia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Lithuania, Moldova, Poland, Romania, Slovenia, Switzerland, Ukraine, UK, Scotland. Oceania: Australia, New Zealand.
8.	*Papaya ringspot potyvirus* (PRSV);(= *Papaya distortion mosaic virus, Papaya leaf distortion virus, Papaw distortion ringspot virus, Papaw mosaic virus, Watermelon mosaic virus 1 (type P), Guadeloupe papaya ringspot, Papaya ringspot - type W, Papaya ringspot virus, Watermelon mosaic virus 1 potyvirus)*	I	*Caricapapaya* Cucurbitaceae	tanaman, bibit, buah, bunga	Indonesia: Sumatera (Aceh, Sumatera Utara), Jawa, Bali Africa: Nigeria America: Bahama, Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, Honduras, Jamaica, Mexico, Puerto Rico, Trinidad and Tobago, USA, Venezuela Asia: China, India, Japan, Lebanon, Malaysia, Nepal, Philippines, Singapore, Sri Lanka, Syria, Thailand, Yemen Europe: France, Germany, Italy, Bangladesh Oceania: Australia
				Vektor:Hemiptera, Aphididae: *Myzus persicae, Aphis coreopsidis, A. craccivora, A. fabae, A.gossypii, Toxoptera citricida*	
9.	*Shallot yellow stripe virus* (SYSV)	I	*Allium ascalonicum* (bawang merah), *Allium cepa, Allium cepa* var. *cepa* (cv. Stuttgarter Riesen), *Allium sativum, Lilium*	umbi, bibit	Indonesia: Jawa Asia: China, Thailand.
				Vektor:Hemiptera, Aphididae: *Acyrthosipho*	

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		formosanum.	*n pisum, Myzus cymbalariae*		
10.	*Squash mosaic comovirus* (SqMV);(= *Cucurbit ring mosaic virus, Musk melon mosaic como virus, Muskmelon necrotic mosaic virus, Squash mosaic comovirus, Pumpkin mosaic virus, Watermelon stunt virus)*	I	Cucurbitaceae, *Citrullus vulgaris* (semangka, watermelon), *Cucumis melo* (melon), *Cucumis sativus* (mentimun, cucumber), *Cucurbita maxima* (waluh, labu parang, pumpkin), *C. pepo*	biji, tanaman Vektor:Coleoptera, Chrysomelidae: *Acalymma trivittata, A. thiemei thiemei, Diabrotica undecimpunctata undecimpunctata, D. biwittula; Epilachna chrysomelina; E. paenulata*	Indonesia: Jawa barat Africa: Egypt, Morocco America: Argentina, Brazil, Canada, Honduras, Jamaica, Mexico, Montserrat, USA, Venezuela Asia: Bangladesh, China, India, Iran, Israel, Japan, Jordan, Kazakhstan, Lebanon, Philippines, Yemen, Europe: Greece, Italy, Netherland Oceania: New Zealand
11.	*Sweet potato feathery mottle potyvirus* (SPFMV);(= *Sweet potato russet crack virus, Sweet potato feathery mottle virus, Sweet potato internal cork virus, Sweet potato leaf spot virus)*	I	*Ipomoea batatas* (ubi jalar, sweet potato)	bibit	Indonesia: Jawa Tengah, Papua. Africa: Kenya, Madagascar, Niger, Nigeria, Tanzania, Togo, Uganda, Zambia, Zimbabwe, America: Argentina, Brazil,

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					Canada, Peru, United States of America, Venezuela Asia: China, Japan, Korea, Taiwan Oceania: Australia, Fiji, Solomon Islands, Tonga
12.	*Tomato spotted wilt tospovirus* (TSWV);(=*Pineapple yellow spot virus, Tomato spotted wilt virus group, Dahlia oakleaf virus, Dahlia ringspot virus, Dahlia yellow ringspot virus, Groundnut ringspot virus, Mung bean leaf curl virus)*	I	*Solanum lycopersicum* (tomat, tomato), *Capsicum annuum* (paprika, bell-pepper), *Lactuca sativa* (selada, lettuce), *Pisum sativum* (kapri, sweet pea), *Nicotiana tabacum* (tembakau, tobacco), *Solanum tuberosum* (kentang, potato), Solanaceae, *Alstroemeria, Ananas comosus* (nenas, pineapple), *Anemone coronaria, Apium graveolens* (seladeri, celery), *Arachys hypogaea* (kacang tanah, peanut), *Aster, Begonia, Bidens pilosa, Benincasa hispida,* Calceolaria, *Chrysanthemum x morifolium, Carica papaya* (papaya, pawpaw), *Cichorium endivia, Cicer arietinum, Citrullus lanatus* (semangka, watermelon), *Columnea hirta, Canavalia gladiata,*	Stek, tanaman Vektor: Thysanopter a, Thripidae: *Frankliniella bispinosa, F. Intonsa, F.fusca, F.occidenttali s, F. Schultzei, F. Tenuicornis, Thrips palmi, T. Setosus, T. Tabaci, T.flavus, Scirtothrips dorsalis*	Indonesia: Jawa Barat, Pontianak (Kab. Kubu Raya) Africa: Algeria, Burkina Faso, DR Congo, Ivory Coast, Egypt, Kenya, Libya, Madagascar, Mauritius, Niger, Nigeria, Réunion, Senegal, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zimbabwe. America: Argentina, Bolivia, Canada, Chile, Colombia, Costa Rica, Guyana, Haiti, Jamaica, Mexico, Paraguay, Puerto Rico, Suriname, USA, Hawaii, Uruguay, Venezuela. Asia: Afghanistan, Armenia, Azerbaijan, China, Taiwan, Georgia (Republic), India, Iran, Israel, Japan, Malaysia, Nepal, Oman, Pakistan, Saudi Arabia, Singapore, Sri Lanka, Thailand, Turkey, Uzbekistan Europe: Albania, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Malta, Moldova, Montenegro,

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		Capsicum annuum (cabai, hot pepper), *Callistephus chinensis*, *Catharanthus roseus*, *Cucumis sativus* (mentimun, cucumber), *Cucurbita pepo*, *Crotalaria juncea*, *Cyphoman dra betacea*, *Cynara scolymus*, *Cyclamen*, *Dahlia*, *Dieffenbachia*, *Eustoma grandiflorum*, *Ficus elastica*, *Ficus pumila*, *Gerbera* spp., *Gerbera jamesonii*, *Galinsoga parviflora*, *Glycine max* (kedelai, soybean), *Gossypium hirsutum* (kapas, cotton), *helianthus annuus* (bunga matahari, sunflower), *Impatiens walleriana*, *Jacquemontia tamnifolia*, *Kalanchoe*, *Lens culinaris* ssp. *culinaris* (lentil), *Lathyrus sativus*, *Lupinus* spp. (Lupine), *Mentha piperita*, *Nicandra physalodes*, *Nicotiana rustica*, *Oncidium*, *Ocimum basilicum*, *Pelargonium*, *Petunia hybrida*, *Phaseolus*, *Vigna radiata* (kacang hijau, mungbean), *Vigna mungo*, *Vigna cylindrica* (buncis,		Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, UK, Scotland, Serbia, Bosnia and Herzegovina,. Oceania: Australia, Cook Islands, New Zealand, Papua New Guinea.	

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		common bean), *Physalis peruviana*, *Phalaenopsis*, *Sechium edule*, *Senecio cruentus*, *Stephanotis floribunda*, *Sinningia*, *Sinningia speciosa*, *Solanum melongena* (terung, eggplant), *Tagetes*, *Tephrosia purpurea*, *Vicia faba*, *Vigna unguiculata*, *Vitis vinifera* (anggur, grapevine), *Valerianella locusta*, *Zinnia elegans*, *Zantedeschiaaethiopica*, *Ageratum conyzoides*, *Calendula officinalis*, *Canna indica*, *Coleus*, *Mirabilis jalapa*, *Saintpaulia ionantha*, *Salvia officinalis*, *Valeriana officinalis*		

Keterangan:
[a] : aseksual
[s] : seksual
[r] : cendawan karat
[c] : chromista
I : golongan I
II : golongan II

MENTERI PERTANIAN,

TTD

AMRAN SULAIMAN

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