

KEPUTUSAN
MENTERI KELAUTAN DAN PERIKANAN REPUBLIK INDONESIA
NOMOR TAHUN 2021
TENTANG
PENETAPAN JENIS PENYAKIT IKAN KARANTINA, ORGANISME PENYEBAB,
GOLONGAN, DAN MEDIA PEMBAWA

DENGAN RAHMAT TUHAN YANG MAHA ESA

MENTERI KELAUTAN DAN PERIKANAN REPUBLIK INDONESIA,

- Menimbang : a. bahwa dengan semakin berkembangnya jenis penyakit ikan karantina di luar negeri, serta dalam rangka pelaksanaan pencegahan dan pengendalian penyebaran penyakit ikan karantina, perlu meninjau kembali Keputusan Menteri Kelautan dan Perikanan Nomor 91/KEPMEN-KP/2018 tentang Penetapan Jenis-Jenis Penyakit Ikan Karantina, Golongan, dan Media Pembawa;
- b. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a, perlu menetapkan Keputusan Menteri Kelautan dan Perikanan tentang Penetapan Jenis Penyakit Ikan Karantina, Organisme Penyebab, Golongan, dan Media Pembawa;

- Mengingat : 1. Undang-undang Nomor 21 Tahun 2019 tentang Karantina Hewan, Ikan, dan Tumbuhan (Lembaran Negara Republik Indonesia Tahun 2019 Nomor 200, Tambahan Lembaran Negara Republik Indonesia Nomor 6411);
2. Peraturan Presiden Nomor 63 Tahun 2015 tentang Kementerian Kelautan dan Perikanan (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 111) sebagaimana telah diubah dengan Peraturan Presiden Nomor 2 Tahun 2017 tentang Perubahan atas Peraturan Presiden Nomor 63 Tahun 2015 tentang Kementerian Kelautan dan Perikanan (Lembaran Negara Republik Indonesia Tahun 2017 Nomor 5);
3. Peraturan Presiden Nomor 68 Tahun 2019 tentang Organisasi Kementerian Negara (Lembaran Negara Republik Indonesia Tahun 2019 Nomor 203);
4. Peraturan Menteri Kelautan dan Perikanan Nomor 48/PERMEN-KP/2020 tentang Organisasi dan Tata Kerja Kementerian Kelautan dan Perikanan (Berita Negara Republik Indonesia Tahun 2020 Nomor 1114);

MEMUTUSKAN:

Menetapkan : KEPUTUSAN MENTERI KELAUTAN DAN PERIKANAN TENTANG PENETAPAN JENIS PENYAKIT IKAN KARANTINA, ORGANISME PENYEBAB, GOLONGAN, DAN MEDIA PEMBAWA.

KESATU : Menetapkan Jenis Penyakit Ikan Karantina, Organisme Penyebab, Golongan, dan Media Pembawa sebagaimana tercantum dalam Lampiran yang merupakan bagian tidak terpisahkan dari Keputusan Menteri ini.

KEDUA : Pada saat Keputusan Menteri ini mulai berlaku, Keputusan Menteri Kelautan dan Perikanan Nomor 91/KEPMEN-KP/2018 tentang Penetapan Jenis-Jenis Penyakit Ikan Karantina, Golongan, dan Media Pembawa, dicabut dan dinyatakan tidak berlaku.

KETIGA : Keputusan Menteri ini mulai berlaku sejak tanggal ditetapkan.

Ditetapkan di Jakarta
pada tanggal

MENTERI KELAUTAN DAN PERIKANAN
REPUBLIK INDONESIA,

SAKTI WAHYU TRENGGONO

Lembar Pengesahan			
No	Pejabat	Paraf	Tanggal
1.	Sekretaris Jenderal		
2.	Dirjen Perikanan Budidaya		
3.	Kepala BKIPM		
4.	Karo. Hukum		

LAMPIRAN
KEPUTUSAN MENTERI KELAUTAN DAN PERIKANAN
REPUBLIK INDONESIA
NOMOR TAHUN 2021
TENTANG
JENIS PENYAKIT IKAN KARANTINA, ORGANISME
PENYEBAB, GOLONGAN, DAN MEDIA PEMBAWA

DAFTAR JENIS PENYAKIT IKAN KARANTINA, ORGANISME PENYEBAB, GOLONGAN, DAN MEDIA PEMBAWA

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
I. KELOMPOK PISCES				
A. Virus				
1.	Infection with <i>Ictalurid herpesvirus-1</i>	<i>Ictalurid herpesvirus-1</i>	I	Blue catfish (<i>Ictalurus furcatus</i>) Channel catfish (<i>Ictalurus punctatus</i>) White catfish (<i>Ictalurus catus</i>)
2.	Infection with <i>Ictalurid herpesvirus-2</i>	<i>Ictalurid herpesvirus-2</i>	I	Black bullhead (<i>Ictalurus melas</i>)
3.	Infection with spring viraemia of carp virus	<i>Spring viraemia of carp virus (SVCV)</i>	I	Bighead carp (<i>Aristichthys nobilis</i>) Bream (<i>Abramis brama</i>) Catla (<i>Gibelion catla</i>) Common carp (<i>Cyprinus carpio</i>) Crucian carp (<i>Carassius carassius</i>) European catfish (<i>Silurus glanis</i>) Golden shiner (<i>Notemigonus crysoleucas</i>) Goldfish (<i>Carassius auratus</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Grass carp (<i>Ctenopharyngodon idella</i>) Guppy (<i>Poecilia reticulata</i>) Koi carp (<i>Cyprinus carpio</i>) Mrigal carp (<i>Cirrhinus cirrhosus</i>) Orfe (<i>Leuciscus idus</i>) Roach (<i>Rutilus rutilus</i>) Rohu (<i>Labeo rohita</i>) Silver carp (<i>Hypophthalmichthys molitrix</i>) Tench (<i>Tinca tinca</i>) Zebra Fish (<i>Danio rerio</i>)
4.	Infection with infectious haematopoietic necrosis virus	Infectious haematopoietic necrosis virus (IHNV)	I	Arctic char (<i>Salvelinus alpinus</i>) Atlantic salmon (<i>Salmo salar</i>) Brook trout (<i>Salvelinus fontinalis</i>) Brown trout (<i>Salmo trutta</i>) Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Chum salmon (<i>Oncorhynchus keta</i>) Coho salmon (<i>Oncorhynchus kisutch</i>) Cutthroat trout (<i>Salmo clarki</i>) Lake trout (<i>Salvelinus namaycush</i>) Masu salmon (<i>Oncorhynchus masou</i>) Marble trout (<i>Salmo marmoratus</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>) Sockeye salmon (<i>Oncorhynchus nerka</i>)
5.	Infection with megalocytivirus	Red sea bream iridovirus (RSIV)	I	Bastard halibut (<i>Paralichthys olivaceus</i>) Blackhead seabream (<i>Acanthopagrus schlegelii</i>) Brown-marbled grouper (<i>Epinephelus fuscoguttatus</i>) Chicken grunt (<i>Parapristipoma trilineatum</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Chinese emperor (<i>Lethrinus haematopterus</i>) Chinese perch (<i>Siniperca chuatsi</i>) Chub mackerel (<i>Scomber japonicus</i>) Cobia (<i>Rachycentron canadum</i>) Continental seabass (<i>Lateolabrax</i> sp.) Crescent sweetlips (<i>Plectorhinchus cinctus</i>) Crimson sea bream (<i>Evynnis japonica</i>) Croceine croaker (<i>Pseudosciaena crocea</i>) Grouper (<i>Epinephelus</i> spp.) Flathead grey mullet (<i>Mugil cephalus</i>) Greater amberjack (<i>Seriola dumerilii</i>) Grouper (<i>Epinephelus</i> spp.) Hybrid of striped sea bass and white bass (<i>Morone saxatilis</i> × <i>M. chrysops</i>) Hybrid of yellowtail amberjack and japanese amberjack (<i>S. lalandi</i> × <i>S. quinqueradiata</i>) Japanese amberjack (<i>Seriola quinqueradiata</i>) Japanese jack mackerel (<i>Trachurus japonicus</i>) Japanese parrotfish (<i>Oplegnathus fasciatus</i>) Japanese sea bass (<i>Lateolabrax japonicus</i>) Japanese spanish mackerel (<i>Scomberomorus niphonius</i>) Largemouth bass (<i>Micropterus salmoides</i>) Northern bluefin tuna (<i>Thunnus thynnus</i>) Red drum (<i>Sciaenops ocellatus</i>) Red sea bream (<i>Pagrus major</i>) Korean rockfish (<i>Sebastes schlegelii</i>) Sea bass (<i>Lates calcarifer</i>) Spangled emperor (<i>Lethrinus nebulosus</i>) Spotted halibut (<i>Verasper variegatus</i>) Spotted knifejaw (<i>Oplegnathus punctatus</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Skipjack trevally (<i>Pseudocaranx dentex</i>) Snubnose pompano (<i>Trachinotus blochii</i>) Torafugu (<i>Takifugu rubripes</i>) Yellowfin sea bream (<i>Acanthopagrus latus</i>) Yellowtail amberjack (<i>Seriola lalandi</i>)
		<i>Infectious spleen and kidney necrosis virus (ISKNV)</i>	I	Banggai cardinal fish (<i>Pterapogon kauderni</i>) Barramundi perch (<i>Lates calalifer</i>) Betta (<i>Betta spp.</i>) Brown marbled grouper (<i>Epinephelus fuscoguttatus</i>) Chinese perch (<i>Siniperca chuatsi</i>) Dwarf gouramy (<i>Trichogaster lalius</i>) Flathead mullet (<i>Mugil cephalus</i>) Giant gouramy (<i>Osphronemus goramy</i>) Giant grouper (<i>Epinephelus lanceolatus</i>) Guppy (<i>Poecilia reticulata</i>) Largemouth bass (<i>Micropterus salmoides</i>) Murray cod (<i>Maccullochella peelii peelii</i>) Orange spotted grouper (<i>Epinephelus coioides</i>) Red drum (<i>Sciaenops ocellatus</i>) Southern platyfish (<i>Xiphophorus maculatus</i>)
		<i>Turbot reddish body iridovirus (TRBIV)</i>	I	Bastard halibut (<i>Paralichthys olivaceus</i>) Barred knifejaw (<i>Oplegnathus fasciatus</i>) Sea perch (<i>Lateolabrax japonicas</i>) Stone flounder (<i>Kareius bicoloratus</i>) Turbot (<i>Scophthalmus maximus</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
6.	<i>Grouper iridoviral disease</i>	<i>Grouper iridovirus</i> (GIV)	I	<i>Brown marbled grouper (Epinephelus fuscoguttatus)</i> <i>Coral trout (Plectropomus leopardus)</i> <i>Estuary cod (Epinephelus tauvina)</i> <i>Giant grouper, Kerapu kertang (Epinephelus lanceolatus)</i> <i>Grouper and estuary cod (Epinephelus spp.)</i> <i>Malabar grouper (Epinephelus malabaricus)</i> <i>Spotted coral grouper (Plectropomus maculatus)</i> <i>Tiger grouper hybrid, Kerapu cantang (Epinephelus fuscoguttatus x E. lanceolatus)</i> <i>Yellow grouper (Epinephelus awoara)</i>
7.	<i>Infection with epizootic haematopoietic necrosis virus</i>	<i>Epizootic hematopoietic necrosis virus</i> (EHNV)	I	<i>Black bullhead (Ameiurus melas)</i> <i>Macquarie perch (Macquaria australasica)</i> <i>Mosquito fish (Gambusia affinis)</i> <i>Mountain galaxias (Galaxias olidus)</i> <i>Rainbow trout (Oncorhynchus mykiss)</i> <i>Redfin perch (Perca fluviatilis)</i> <i>Sheatfish (Silurus glanis)</i> <i>Silver perch (Bidyanus bidyanus)</i> <i>Turbot (Scophthalmus maximus)</i>
8.	<i>Viral encephalopathy and retinopathy</i> (VER) / <i>Viral nervous necrosis</i> (VNN)	<i>Nervous necrosis virus</i>	I	<i>Asian sea bass (Lates calcarifer)</i> <i>Atlantic cod (Gadus morhua)</i> <i>Atlantic halibut (Hippoglossus hippoglossus)</i> <i>Australian catfish (Tandanus tandanus)</i> <i>Barfin flounder (Verasper moseri)</i> <i>Barred knifejaw or rock bream (Oplegnathus fasciatus)</i> <i>Blackspotted grouper (E. fuscoguttatus)</i> <i>Brown spotted grouper (E. malabaricus)</i> <i>Chinese catfish (Parasilurus asotus)</i>

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				<p>Cobia (<i>Rachycentron canadum</i>) Common sole (<i>Solea solea</i>) Convict surgeonfish (<i>Acanthurus triostegus</i>) Crimson snapper (<i>Lutjanus erythropterus</i>) Dragon grouper (<i>E. lanceolatus</i>) Dusky grouper (<i>E. marginatus</i>) European eel (<i>Anguilla anguilla</i>) European sea bass (<i>Dicentrarchus labrax</i>) Gilthead sea bream (<i>Sparus aurata</i>) Golden grey mullet (<i>Liza aurata</i>) Greasy grouper (<i>E. tauvina</i>) Grey mullet (<i>Mugil cephalus</i>) Guppy (<i>Poecilia reticulata</i>) Haddock (<i>Melanogrammus aeglefinus</i>) Humpback grouper (<i>Chromileptes altivelis</i>) Japanese flounder (<i>Paralichthys olivaceus</i>) Japanese or red tilefish (<i>Branchiostegus japonicus</i>) Japanese puffer fish (<i>Takifugu rubripes</i>) Japanese sea bass (<i>Lateolabrax japonicus</i>) Kelp grouper (<i>E. moara</i>) Mangrove red snapper (<i>Lutjanus argentimaculatus</i>) Milkfish (<i>Chanos chanos</i>) Narrowstripe cardinalfish (<i>Apogon exostigma</i>) Nile tilapia (<i>Oreochromis niloticus</i>) Orange-spotted grouper (<i>E. coioides</i>) Orbicular batfish (<i>Platax orbicularis</i>) Pacific bluefin tuna (<i>Thunnus orientalis</i>) Purplish amberjack (<i>Seriola dumerilii</i>) Red drum (<i>Sciaenops ocellatus</i>)</p>

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Red mullet (<i>Mullus barbatus</i>) Red spotted grouper (<i>Epinephelus akaara</i>) Russian sturgeon (<i>Acipenser gueldenstaedti</i>) Sevenband grouper (<i>E. septemfasciatus</i>) Shi drum (<i>Umbrina cirrosa</i>) Sleepy cod (<i>Oxyeleotris lineolata</i>) Snub nose pompano (<i>Trachinotus blochii</i>) Spotted knifejaw (<i>Oplegnathus punctatus</i>) Striped jack (<i>Pseudocaranx dentex</i>) Striped trumpeter (<i>Latris lineata</i>) Thread-sale filefish (<i>Stephanolepis cirrhifer</i>) Tilapia (<i>Oreochromis niloticus</i>) Turbot (<i>Psetta maxima</i>) White grouper (<i>E.aeneus</i>) White weakfish (<i>Atractoscion nobilis</i>) White weakfish (<i>Sebastes oblongus</i>) Wolf fish (<i>Anarchichas minor</i>) Yellow grouper (<i>E. awoara</i>) Yellow-wax pompano (<i>Trachinotus falcatus</i>)
9.	<i>Infection with koi herpesvirus</i>	<i>Koi herpesvirus (KHV)</i>	I	Common carp (<i>Cyprinus carpio</i>) Crucian carp × Koi carp hybrids Crucian carp × Common carp Goldfish (<i>Carassius auratus</i>) Goldfish × Common carp hybrids Goldfish × Koi carp hybrids
10.	<i>Viral haemorrhagic septicemia</i>	<i>Viral haemorrhagic septicemia virus (VHSV)</i>	I	Alaska pollock (<i>Theragra chalcogramma</i>) Atlantic cod (<i>Gadus morhua</i>) Atlantic halibut (<i>Hippoglossus hippoglossus</i>) Atlantic herring (<i>Clupea harengus</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Atlantic salmon (<i>Salmo salar</i>) Blue whiting (<i>Micromesistius poutassou</i>) Brown trout (<i>Salmo trutta</i>) Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Chub mackerel (<i>Scomber japonicus</i>) Coho salmon (<i>Oncorhynchus kisutch</i>) Common dab (<i>Limanda limanda</i>) Ebro barbel (<i>Barbus graellsii</i>) European sprat (<i>Sprattus sprattus</i>) European plaice (<i>Pleuronectes platessa</i>) European river lamprey (<i>Lampetra fluviatilis</i>) European seabass (<i>Dicentrarchus labrax</i>) Fathead minnow (<i>Pimephales promelas</i>) European flounder (<i>Platichthys flesus</i>) Fourbeard rockling (<i>Enchelyopus cimbrius</i>) Freshwater drum (<i>Aplodinotus grunniens</i>) Grayling (<i>Thymallus thymallus</i>) Greenland halibut (<i>Reinhardtius hippoglossoides</i>) Japanese flounder (<i>Paralichthys olivaceus</i>) Lesser argentine (<i>Argentina sphyraena</i>) Muskellunge (<i>Esox masquinongy</i>) North pacific hake (<i>Merluccius productus</i>) Norway pout (<i>Trisopterus esmarkii</i>) Oncorhynchus mykiss × Oncorhynchus kisutch Oncorhynchus mykiss × Salvelinus alpinus triploid Oncorhynchus mykiss × Salvelinus fontinalis Oncorhynchus mykiss × Salvelinus namaycush Oncorhynchus mykiss × Oncorhynchus kisutch triploid

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Pacific herring (<i>Clupea pallasii</i>) Poor cod (<i>Trisopterus minutus</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>) Round goby (<i>Neogobius melanostomus</i>) Sand eel (<i>Ammodytes spp.</i>) Sand goby (<i>Pomatoschistus minutus</i>) Shiner perch (<i>Cymatogaster aggregata</i>) South american pilchard (<i>Sardinops sagax</i>) Surf smelt (<i>Hypomesus pretiosus</i>) Three-spined stickleback (<i>Gasterosteus aculeatus</i>) Yellowback seabream (<i>Dentex tumifrons</i>) Turbot (<i>Scophthalmus maximus</i>) Whitefish (<i>Coregonus spp.</i>) Whiting (<i>Merlangius merlangus</i>) Yellow Perch (<i>Perca flavescens</i>)
11.	<i>Infection with HPR-deleted or HPRO infectious salmon anaemia virus</i>	<i>Highly polymorphic region (HPR)-deleted ISAV (HPR-deleted ISAV)</i>	I	Atlantic salmon (<i>Salmo salar</i>) Brown trout (<i>Salmo trutta</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>)
12.	<i>Infection with salmonid alphavirus</i>	<i>Salmonid alphavirus (SAV)</i>	I	Arctic charr (<i>Salvelinus alpinus</i>) Atlantic salmon (<i>Salmo salar</i>) Brown trout (<i>Salmo trutta</i>) Common dab (<i>Limanda limanda</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>)
13.	<i>Tilapia lake virus disease</i>	<i>Tilapia lake virus (TLV)</i>	I	Blue tilapia (<i>Oreochromis aureus</i>) Gourami (<i>Osphronemus goramy</i>) Hybrid tilapia (<i>Oreochromis niloticus</i> x <i>Oreochromis aureus</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Mango tilapia (<i>Sarotherodon galilaeus</i>) Nile tilapia (<i>Oreochromis niloticus</i>) Red tilapia (<i>Oreochromis</i> sp.) Redbelly tilapia (<i>Tilapia zillii</i>) River barb (<i>Barbonymus schwanenfeldii</i>) Wild tilapia (<i>Tristramellasiomonis intermedia</i>)
14.	<i>Carp edema virus disease</i> (CEVD)/ <i>Koi sleepy disease</i>	<i>Carp edema virus</i> (CEV)	I	Common carp (<i>Cyprinus carpio</i>) Koi (<i>Cyprinus carpio</i>)
B. Bakteri				
1.	<i>Enteric septicaemia of catfish</i> (ESC)	<i>Edwardsiella ictaluri</i>	II	African catfish (<i>Clarias gariepinus</i>) Amberjack (<i>Seriola</i> sp.) Blue catfish (<i>Ictalurus furcatus</i>) Blue spot mullet (<i>Valamugil sehel</i>) Brown bullhead (<i>Ictalurus nebulosus</i>) Catfish/walking catfish (<i>Clarias batrachus</i>) Chanel catfish (<i>Ictalurus punctatus</i>) Danio (<i>Danio devario</i>) Eel (<i>Anguilla</i> sp.) Flounder (<i>Paralichthys</i> sp.) Gold fish (<i>Carrasius auratus</i>) Green knifefish (<i>Eigemannia virens</i>) Jambal catfish (<i>Pangasius djambal</i>) Nile tilapia (<i>Oreochromis niloticus</i>) Striped catfish (<i>Pangasianodon hypophthalmus</i>)
2.	<i>Furunculosis/ Carp erythrodermatitis</i>	<i>Aeromonas salmonicida</i>	II	Atlantic cod (<i>Gadus morhua</i>) Blue devil/Caerulian damsel (<i>Pomacentrus caeruleus</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Brook trout (<i>Salvelinus fontinalis</i>) Brown trout (<i>Salmo trutta</i>) Bullhead (<i>Cottus gobio</i>) Catfish (<i>Clarias</i> sp) Common carp (<i>Cyprinus carpio</i>) Eel (<i>Anguilla</i> spp.) Giant gouramy (<i>Osphronemus goramy</i>) Gilthead seabream (<i>Sparus aurata</i>) Goldfish (<i>Carassius auratus</i>) Nile tilapia (<i>Oreochromis niloticus</i>) Pacific Halibut (<i>Hippoglossus stenolepis</i>) Northern Pike (<i>Esox lucius</i>) Rainbow Trout (<i>Oncorhynchus mykiss</i>) Salmon (<i>Salmonidae</i>) Scrawled Butterflyfish (<i>Chaetodon meyeri</i>) Shortjaw Cisco (<i>Coregonus zenithicus</i>) Spotted Minnows (<i>Galaxiidae</i>) Turbot (<i>Scophthalmus maximus</i>)
3.	<i>Streptococciasis</i>	<i>Streptococcus iniae</i>	II	Eel (<i>Anguilla</i> spp.) Grouper (<i>Cromileptes altivelis</i>) Nila (<i>Oreochromis niloticus</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>) Yellow tail (<i>Seriola quinqueradiata</i>)
		<i>Streptococcus agalactiae</i>	II	Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Hybrid stripedbass (<i>Ictalurus melas</i>) Nile tilapia (<i>Oreochromis niloticus</i>) Mullet (<i>Liza klunzingeri</i>) Rainbrow trout (<i>Oncorhynchus mykiss</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Rosy barb (<i>Puntius conchonus</i>) Sea bream (<i>Sparus auratus</i>) Sutchi catfish (<i>Pangasius hypophthalmus</i>) Yellow bullhead (<i>Ictalurus natalis</i>) Zebra danio (<i>Danio rerio</i>)
4.	<i>Enteric red mouth disease</i> (ERM)	<i>Yersinia ruckeri</i>	II	Atlantic salmon (<i>Salmo salar</i>) Brook trout (<i>Salvelinus fontinalis</i>) Channel catfish (<i>Ictalurus punctatus</i>) Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Common carp (<i>Cyprinus carpio</i>) Eel (<i>Anguilla anguilla</i>) Gold fish (<i>Carassius auratus</i>) Jelawat (<i>Leptobarbus hoeveni</i>) Perch (<i>Perca fluviatilis</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>) Salmon (<i>Salmonidae</i>) Sea bass (<i>Lates calcarifer</i>) Sole (<i>Solea solea</i>) Sturgeon (<i>Acipenser baeri</i>) Tilapias (<i>Oreochromis niloticus</i>) Turbot (<i>Scophthalmus maximus</i>) Walking catfish (<i>Clarias batrachus</i>)
5.	<i>Bacterial kidney disease</i> (BKD)	<i>Renibacterium salmoninarum</i>	II	Atlantic salmon (<i>Salmo salar</i>) Bartail flathead (<i>Platycephalus indicus</i>) Brook trout (<i>Salvelinus fontinalis</i>) Brown trout (<i>Salmo trutta</i>) Fathead minnow (<i>Pimephales promelas</i>) Greenling (<i>Hexagrammos otakii</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Pacific herring (<i>Clupea pallasii</i>) Sablefish (<i>Anoplopoma fimbria</i>) Salmonidae chinook (<i>Onchorhynchus tshawytscha</i>) Salmonidae coho (<i>Onchorhynchus kisutch</i>) Salmonidae chun (<i>Onchorhynchus</i> sp.) Salmonidae shock eye (<i>Onchorhynchus nerka</i>) Salmonidae pink (<i>Onchorhynchus gorbuscha</i>) Salmonidae cherry (<i>Onchorhynchus roasou</i>) Shiner perch (<i>Cymatogaster aggregata</i>)
C. Parasit				
1.	Infection with <i>Gyrodactylus salaris</i>	<i>Gyrodactylus salaris</i>	I	Arctic charr (<i>Salvelinus alpinus</i>) Atlantic salmon (<i>Salmo salar</i>) Brook trout (<i>Salvelinus fontinalis</i>) Brown trout (<i>Salmo trutta</i>) Grayling (<i>Thymallus thymallus</i>) North american lake trout (<i>Salvelinus namaycush</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>)
2.	Whirling disease	<i>Myxobolus cerebralis</i>	I	Salmonidae (Salmon, Trout) Rainbow trout (<i>Oncorhynchus mykiss</i>) Lake trout (<i>Salvelinus namaycush</i>) Koi (<i>Cyprinus carpio</i>) Koki (<i>Carrasius auratus</i>)
D. Jamur				
	Infection with <i>Aphanomyces invadans</i> (Epizootic ulcerative syndrome)	<i>Aphanomyces invadans</i>	I	African butter catfish (<i>Schilbe mystus</i>) African pike (<i>Hepsetus odoe</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				American shad (<i>Alosa sapidissima</i>) Atlantic menhaden (<i>Brevoortia tyrannus</i>) Australian bass (<i>Macquaria novemaculeata</i>) Ayu sweetfish (<i>Plecoglossus altivelis</i>) Banded tilapia (<i>Tilapia sparrmanii</i>) Barcoo grunter (<i>Scortum barcoo</i>) Bar-eyed goby (<i>Glossogobius giuris</i>) Barramundi or sea bass (<i>Lates calcarifer</i>) Black bream (<i>Acanthopagrus berda</i>) Black bullhead (<i>Ameiurus melas</i>) Black drum (<i>Pogonias cromis</i>) Bluegill (<i>Lepomis macrochirus</i>) Blunt-toothed african catfish (<i>Clarias ngamensis</i>) Bony bream (<i>Nematalosa erebi</i>) Brown bullhead (<i>Ameiurus nebulosus</i>) Bulldog (<i>Marcusenius macrolepidotus</i>) Catla (<i>Catla catla</i>) Chanda perch (<i>Ambassis agassiz</i>) Channel catfish (<i>Ictalurus punctatus</i>) Churchill (<i>Petrocephalus catostoma</i>) Climbing perch (<i>Anabas testudineus</i>) Dashtail barb (<i>Barbus poechii</i>) Drums or croakers (<i>Bairdiella chrysoura</i>) Dusky flathead (<i>Platycephalus fuscus</i>) Dusky tripletooth goby (<i>Tridentiger obscures obscures</i>) Dwarf gourami (<i>Colisa lalia</i>) Flathead grey mullet (<i>Mugil cephalus</i>) Flying barb (<i>Esomus sp.</i>) Fork-tailed catfish (<i>Arius sp.</i>) Freshwater cod (<i>Maccullochella ikei</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Giant gourami (<i>Osporonemus goramy</i>) Goby (<i>Glossogobius</i> sp.) Golden perch (<i>Macquaria ambigua</i>) Goldfish (<i>Carassius auratus</i>) Great snakehead fish (<i>Channa marulius</i>) Green bream (<i>Sargochromis codringtonii</i>) Greenhead tilapia (<i>Oreochromis machrochiri</i>) Ketu-bangladeshi (<i>Rohtee</i> sp.) Kissing gourami (<i>Helostoma temminckii</i>) Largemouth black bass (<i>Micropterus salmoides</i>) Long tom (<i>Strongylura krefftii</i>) Longbeard barb (<i>Barbus unitaeniatus</i>) Mangrove jack (<i>Lutjanus argentimaculatus</i>) Marble goby (<i>Oxyeleotris marmoratus</i>) Mouth almighty (<i>Glossamia aprion</i>) Mrigal carp (<i>Cirrhinus mrigala</i>) Mullet (<i>Mugil spp.; Liza spp.</i>) Murray cod (<i>Macchullochella peelii</i>) Narrow banded sole (<i>Aseraggodes macleayanus</i>) Nursery fish (<i>Kurtus gulliveri</i>) Pinkeye mullet (<i>Myxus petardi</i>) Pink bream (<i>Sargochromis giardi</i>) Pool barb (<i>Puntius sophore</i>) Primitive acher fish (<i>Toxotes lorentzi</i>) Rainbow bream (<i>Sargochromis carlottae</i>) Rainbow fish (<i>Melanotaenia splendida</i>) Rainbow trout (<i>Oncorhynchus mykiss</i>) Redbreast tilapia (<i>Tilapia rendalli</i>) Red-eye labeo (<i>Labeo cylindricus</i>) Rohu (<i>Labeo rohita</i>) Sand whiting (<i>Sillago ciliata</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				<p>Saratoga (<i>Scleropages jardini</i>) Sharptooth african catfish (<i>Clarias gariepinus</i>) Sheepshead (<i>Archosargus probatocephalus</i>) Silver barb (<i>Puntius gonionotus</i>) Silver catfish (<i>Schilbe intermedius</i>) Silver perch (<i>Bidyanus bidyanus</i>) Sharptooth tetra (<i>Micralestes acutidens</i>) Sleepy cod (<i>Oxyeleotris lineolatus</i>) Snakeskin gourami (<i>Trichogaster pectoralis</i>) Spangled perch (<i>Leiopotherapon unicolor</i>) Spiny turbot (<i>Psettodes</i> sp.) Spotbanded scat scat (<i>Selenotoca multifasciata</i>) Spotted archerfish (<i>Toxotes chatareus</i>) Spotted scat (<i>Scatophagus argus</i>) Straightfin barb (<i>Barbus peludinosus</i>) Striped grunter (<i>Amniataba percooides</i>) Striped robber (<i>Brycinus lateralis</i>) Striped snakehead (<i>Channa striatus</i>) Swamp eel (<i>Fluta alba</i>) Thamalakane barb (<i>Barbus thalakanensis</i>) Therapon (<i>Therapon</i> sp.) Thinface largemouth (<i>Serranochromis angusticeps</i>) Three-spot gourami (<i>Trichogaster trichopterus</i>) Three-spotted tilapia (<i>Oreochromis andersoni</i>) Tigerfish (<i>Hydrocynus vittatus</i>) Upper zambezi labeo (<i>Labeo lunatus</i>) Walking catfish (<i>Clarias batrachus</i>) Wells catfish (<i>Silurus glanis</i>) White mullet (<i>Mugil curema</i>) Yellowfin sea bream (<i>Acanthopagrus australis</i>) Yellow-belly bream (<i>Serranochromis robustus</i>)</p>

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
II. KELOMPOK CRUSTACEA				
A. Virus				
1.	<i>Infection with infectious hypodermal and haematopoietic necrosis virus</i>	<i>Infectious hypodermal and haematopoietic necrosis virus (IHHNV)</i>	I	Argentine stiletto shrimp (<i>Artemesia longinaris</i>) Blue shrimp (<i>Penaeus stylirostris</i>) Cuata swimcrab (<i>Callinectes arcuatus</i>) Giant river prawn (<i>Macrobrachium rosenbergii</i>) Giant tiger prawn (<i>Penaeus monodon</i>) Green Tiger Prawn (<i>Penaeus semisulcatus</i>) Japanese Shore Crab (<i>Hemigrapsus penicillatus</i>) Kuruma prawn (<i>Penaeus japonicus</i>) Northern Pink Shrimp (<i>Penaeus duorarum</i>) Northern White Shrimp (<i>Penaeus setiferus</i>) Western White Shrimp (<i>Penaeus occidentalis</i>) Whiteleg Shrimp (<i>Litopenaeus vannamei</i>) Yellowleg Shrimp (<i>Penaeus californiensis</i>)
2.	<i>Infection with yellow head virus</i>	<i>Yellow head virus (YHV)</i>	I	Blue shrimp (<i>Penaeus stylirostris</i>) Daggerblade grass shrimp (<i>Palaemonetes pugio</i>) Giant tiger prawn (<i>Penaeus monodon</i>) Jinga shrimp (<i>Metapenaeus affinis</i>) Whiteleg shrimp (<i>Litopenaeus vannamei</i>)
3.	<i>Infection with taura syndrome virus</i>	<i>Taura syndrome virus (TSV)</i>	I	Blue shrimp (<i>Penaeus stylirostris</i>) Giant tiger prawn (<i>Penaeus monodon</i>) Greasyback shrimp (<i>Metapenaeus ensis</i>) Northern brown shrimp (<i>Penaeus aztecus</i>) Northern white shrimp (<i>Penaeus setiferus</i>) Whiteleg shrimp (<i>Litopenaeus vannamei</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
4.	<i>Infection with white spot syndrome virus</i>	<i>White spot syndrome virus (WSSV)</i>	I	Kelompok Crustacea perairan khususnya Decapoda (Udang, Kepiting, Crayfish, Lobster) yang hidup di laut, payau dan air tawar
5.	<i>Infection with Macrobrachium rosenbergii nodavirus/ White tail disease (WTD)</i>	<i>Macrobrachium rosenbergii nodavirus (MrNV), MrNV (primary) and extra small virus (XSV) (associate)</i>	I	Giant river prawn (<i>Macrobrachium rosenbergii</i>)
6.	<i>Infection with infectious myonecrosis virus</i>	<i>Infectious myonecrosis virus (IMNV)</i>	I	Brown tiger prawn (<i>Penaeus esculentus</i>) Banana prawn (<i>Fenneropenaeus merguensis</i>) Whiteleg shrimp (<i>Litopenaeus vannamei</i>)
7.	<i>Viral covert mortality disease (VCMD) of shrimp</i>	<i>Covert mortality nodavirus (CMNV)</i>	I	Giant river prawn (<i>Macrobrachium rosenbergii</i>) Giant tiger prawn (<i>Penaeus monodon</i>) Kuruma prawn (<i>Marsupenaeus japonicus</i>) Whiteleg shrimp (<i>Litopenaeus vannamei</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
8.	Infection with <i>decapod iridescent virus</i> - 1 (DIV-1)	<i>Decapod iridescent virus</i> - 1 (DIV-1)	I	Australian freshwater crayfish/Red claw Crayfish (<i>Cherax quadricarinatus</i>) Cambarid freshwater crayfish/Red swamp Crayfish (<i>Procambarus clarkia</i>) Chinese mitten crab (<i>Eriocheir sinensis</i>) Chinese white shrimp (<i>Fenneropenaeus chinensis</i>) Fleshy prawn (<i>Penaeus chinensis</i>) Freshwater prawn (<i>Macrobrachium superbum</i>) Giant tiger prawn/Asian tiger shrimp/Black tiger shrimp (<i>Penaeus monodon</i>) Giant river prawn/Giant freshwater prawn (<i>Macrobrachium rosenbergii</i>) Kuruma shrimp (<i>Penaeus japonicus</i>) Oriental river prawn (<i>Macrobrachium nipponense</i>) Ridgetail white prawn (<i>Exopalaemon carinicauda</i>) Striped shore crab (<i>Pachygrapsus crassipes</i>) Water fleas (<i>Order cladocera</i>) Whiteleg shrimp/Pacific white shrimp (<i>Litopenaeus vannamei</i>)
B. Bakteri				
1.	Acute hepatopancreatic necrosis disease (AHPND)	<i>Vibrio parahaemolyticus</i> (Vp AHPND)	I	Fleshy prawn (<i>Penaeus chinensis</i>) Giant tiger prawn (<i>Penaeus monodon</i>) Whiteleg shrimp (<i>Litopenaeus vannamei</i>)
2.	Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis/NHP)	<i>Hepatobacter penaei</i>	I	Whiteleg shrimp (<i>Litopenaeus vannamei</i>)
C. Parasit				
	Hepatopancreatic microsporidiosis caused	<i>Enterocytozoon hepatopenaei</i>	I	Giant tiger prawn (<i>Penaeus monodon</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
	by <i>Enterocytozoon hepatopenaei</i> (HPM – EHP)			Kuruma prawn (<i>Marsupenaeus japonicus</i>) Whiteleg shrimp (<i>Litopenaeus vannamei</i>)
D. Jamur				
	Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	<i>Aphanomyces astaci</i>	I	Chinese mitten crab (<i>Eriocheir sinensis</i>) Crayfish congener (<i>Orconectes spp.</i>) Louisiana swamp crayfish (<i>Procambarus clarkii</i>) Noble crayfish (<i>Astacus astacus</i>) Signal crayfish (<i>Pacifastacus leniusculus</i>) Slender clawed/Turkish crayfish (<i>Astacus leptodactylus</i>) White clawed crayfish (<i>Austropotamobius pallipes</i>)
III. KELOMPOK MOLUSCA				
A. Virus				
1.	Infection with <i>abalone</i> herpesvirus	Abalone herpesvirus (AbHV)	I	Blacklip abalone (<i>Haliotis rubra</i>) Greenlip abalone (<i>Haliotis laevigata</i>) <i>Haliotis aevigata</i> × <i>Haliotis rubra diversicolor</i> Abalone (<i>Haliotis diversicolor</i>)
2.	Infection with <i>ostreid</i> herpesvirus 1 microvariants	Osterid herpesvirus-1 microvariants (OshV-1 microvariants)	I	Pacific cupped oysters (<i>Crassostrea gigas</i>) Portuguese oyster (<i>Crassostrea angulata</i>)
B. Bakteri				
	Infections with <i>Xenohaliotis californiensis</i>	<i>Xenohaliotis californiensis</i>	I	Black abalone (<i>Haliostis cracherodii</i>) European abalone (<i>Haliostis tuberculata</i>) Flat abalone (<i>Haliostis wallalensis</i>) Green abalone (<i>Haliostis fulgens</i>) Japanese abalone (<i>Haliostis discus</i>) Pink abalone (<i>Haliostis corrugata</i>) Red abalone (<i>Haliostis rufescens</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				White abalone (<i>Haliotis sorenseni</i>) Variously coloured abalone (<i>Haliotis diversicolor</i>)
C. Parasit				
1.	Infection with <i>Bonamia exitiosa</i>	<i>Bonamia exitiosa</i>	I	Chilean oyster (<i>Ostrea chilensis</i>) Dwarf oyster (<i>Ostrea stentina</i>) European flat oyster (<i>Ostrea edulis</i>) Southern mud oyster (<i>Ostrea angasi</i>)
2.	Infection with <i>Bonamia ostreae</i>	<i>Bonamia ostreae</i>	I	Argentinian flat oyster (<i>Ostrea puelchana</i>) Chilean oyster (<i>Ostrea chilensis</i>) European flat oysters (<i>Ostrea edulis</i>) Southern mud oyster (<i>Ostrea angasi</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
3.	Infection with <i>Marteilia refringens</i>	<i>Marteilia refringens</i>	I	American oyster (<i>Crassostrea virginica</i>) Argentinian flat oyster (<i>Ostrea puelchana</i>) Asiatic oyster (<i>Ostrea denselamellosa</i>) Axe head mussel (<i>Xenostrobus securis</i>) Banded carpet shell (<i>Tapes rhomboides</i>) Blacklip abalone (<i>Haliotis rubra</i>) Blue mussel (<i>Mytilus edulis</i>) Common cockle (<i>Cerastoderma edule</i>) Copepode (<i>Paracartia grani</i>) Dwarf oyster (<i>Ostrea stentina</i>) European flat oyster (<i>Ostrea edulis</i>) Grooved carpet shell (<i>Ruditapes decussatus</i>) Grooved razor shell (<i>Solen marginatus</i>) Jackknife clam (<i>Ensis minor</i>) Japanese carpet shell (<i>Ruditapes philippinarum</i>) Mediterranean mussel (<i>Mytilus galloprovincialis</i>) New zealand dredge oyster (<i>Ostrea chilensis</i>) Razor clam (<i>Ensis siliqua</i>) Small carpet clam (<i>Tapes pullastra</i>) Southern mud oyster (<i>Ostrea angasi</i>)
4.	Infection with <i>Perkinsus olseni</i>	<i>Perkinsus olseni</i>	I	Akoya pearl oyster (<i>Pinctada martensii</i>) Black-lip abalone (<i>Haliotis rubra</i>) Black-lip pearl oyster (<i>Pinctada margaritifera</i>) Boring clam (<i>Tridacna crocea</i>) Grooved carpet shell (<i>Ruditapes decussatus</i>) Green-lip abalone (<i>Haliotis laevis</i>) Japanese cockle (<i>Ruditapes philippinarum</i>) Japanese pearl oyster (<i>Pinctada fucata</i>) Jedo venus (<i>Protothaca jedoensis</i>)
				Kumamoto oyster (<i>Crassostrea sikamea</i>)

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
				Mud ark (<i>Anadara trapezia</i>) New zealand cockle (<i>Austrovenus stutchburyi</i>) Small giant clam (<i>Tridacna maxima</i>) Suminoe oyster (<i>Crassostrea ariakensis</i>) Staircase abalone (<i>Haliotis scalaris</i>) Venerid commercial clam (<i>Pitar rostrata</i>) Whirling abalone (<i>Haliotis cyclobates</i>)
5.	Infection with <i>Perkinsus marinus</i>	<i>Perkinsus marinus</i>	I	American oyster (<i>Crassostrea virginica</i>) Baltic macoma (<i>Macoma balthica</i>) Cortez oyster (<i>Crassostrea corteziensis</i>) Mangrove oyster (<i>Crassostrea rhizophorae</i>) Pacific oyster (<i>Crassostrea gigas</i>) Softshell clam (<i>Mya arenaria</i>) Suminoe oyster (<i>Crassostrea ariakensis</i>)
6.	SSO disease (Seaside organism)	<i>Haplosporidium costale</i>	I	Eastern Oyster (<i>Crassostrea virginica</i>) Pacific Oysters (<i>Crassostrea gigas</i>)
7.	MSX disease (Multinucleate sphere X)	<i>Haplosporidium nelsoni</i>	I	Eastern oyster (<i>Crassostrea virginica</i>) Pacific oysters (<i>Crassostrea gigas</i>)
IV. KELOMPOK AMPHIBIA				
A. Virus				
1.	Infection with ranavirus	<i>Bohle iridovirus (BIV)</i>	I	Burrowing frog (<i>Limnodynastes ornatus</i>) Cane toad (<i>Rhinella marina</i>) Eastern water dragons (<i>Intellagama lesueurii lesueurii</i>)
		<i>Ambystoma tigrinum virus (ATV)</i>	I	1) Semua katak dari Ordo Anura.

No.	NAMA PENYAKIT	ORGANISME PENYEBAB	GOLONGAN	MEDIA PEMBAWA (INANG RENTAN)
1	2	3	4	5
		<i>syn. regina ranavirus</i>		2) Semua salamander dari Ordo Caudata.
B. Jamur				
1.	Infection with <i>Batrachochytrium dendrobatidis</i>	<i>Batrachochytrium dendrobatidis</i>	I	1) Semua katak dari Ordo Anura. 2) Semua salamander dari Ordo Caudata.
2.	Infection with <i>Batrachochytrium salamandrivorans</i>	<i>Batrachochytrium salamandrivorans</i>	I	Alpine newt (<i>Ichthyosaura alpestris</i>) Blue-tailed Fire-bellied newt (<i>Cynops cyanurus</i>) Eastern newt (<i>Nothophthalmus viridescens</i>) Fire salamander (<i>Salamandra salamandra</i>) French cave salamander (<i>Hydromantes strinati</i>) Italian newt (<i>Lissotriton italicus</i>) Japanese fire-Bellied newt (<i>Cynops pyrrhogaster</i>) Northern spectacle salamander (<i>Salamandrina perspicillata</i>) Rough-skinned newt (<i>Taricha granulosa</i>) Sardinian brook salamander (<i>Euproctus platycephalus</i>) Spanish ribbed newt (<i>Pleurodeles waltl</i>) Tam dao salamander (<i>Paramesotriton deloustali</i>) Yellow spotted newt (<i>Neurergus crocatus</i>)

Lembar Pengesahan			
No	Pejabat	Paraf	Tanggal
1.	Sekretaris Jenderal		
2.	Dirjen Perikanan Budidaya		
3.	Kepala BKIPM		
4.	Karo. Hukum		

MENTERI KELAUTAN DAN PERIKANAN
REPUBLIK INDONESIA,

SAKTI WAHYU TRENGGONO