

Perikanan Airtawar
SEMENANJUNG MALAYSIA

Freshwater Fisheries
Peninsular Malaysia

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN KOLAM IKAN DAN BEKAS LOMBONG AIRTAWAR YANG DIUSAHAKAN DAN
BILANGAN PENTERNAK IKAN, 1981
 NUMBER OF FRESHWATER FISH PONDS AND MINING POOLS UNDER CULTURE AND NUMBER OF FISH
 CULTURISTS, 1981

Negeri State	KOLAM IKAN YANG DIUSAHAKAN FISH PONDS UNDER CULTURE		BEKAS KOLAM YANG DIUSAHAKAN MINING POOLS UNDER CULTURE		JUMLAH TOTAL		BILANGAN PENTERNAK IKAN NUMBER OF FISH CULTURISTS				Jumlah Total
	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	112	20.80	3	1.72	115	22.52	83	3	—	9	95
Kedah	520	128.74	19	22.73	539	151.47	306	17	1	26	350
Pulau Pinang	181	26.58	2	1.56	183	28.14	42	38	5	22	107
Perak	3,803	596.03	1,775	2,911.60	5,578	3,507.63	2,281	1,355	133	53	3,822
Selangor	842	175.37	195	210.28	1,037	385.65	477	195	53	78	803
Wilayah Persekutuan	10	2.84	3	3.75	13	6.59	1	4	—	—	5
Negeri Sembilan	3,041	414.62	217	117.14	3,258	531.76	2,037	342	12	17	2,408
Melaka	876	158.11	4	4.05	880	162.16	584	112	6	5	707
Johor	1,511	224.79	23	23.25	1,534	248.04	375	325	1	19	720
Pahang	1,526	285.74	36	30.26	1,562	316.00	1,016	147	7	31	1,201
Trengganu	686	102.81	12	7.20	698	110.01	567	18	—	—	585
Kelantan	744	111.30	6	3.20	750	114.50	604	15	1	—	620
JUMLAH TOTAL ..	13,852	2,247.73	2,295	3,336.74	16,147	5,584.47	8,373	2,571	219	260	11,423

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
ANGGARAN PENGELUARAN HASIL IKAN AIRTAWAR DARI KOLAM DAN BEKAS LOMBONG
MENGIKUT JENIS IKAN DAN NEGERI, 1981
ESTIMATED PRODUCTION OF FRESHWATER FISH FROM FISH PONDS AND MINING POOLS
BY TYPE OF FISH AND STATE, 1981

Negeri State	JENIS IKAN/TYPE OF FISH											Jumlah Ton M. Total M. Tonnes
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Haruan Snake Head	Jelawat River Carp	Keli Catfish	Pelbagai Miscellaneous	
Pertis.. .. .	2.95	0.78	0.75	0.61	—	2.26	5.29	0.09	—	0.02	1.39	14.14
Kedah	24.01	17.89	0.59	3.32	0.02	13.44	13.07	2.47	—	1.57	7.33	83.71
Pulau Pinang	44.98	13.07	—	—	—	21.24	13.45	0.35	—	0.17	—	93.26
Perak	1,083.16	105.23	38.23	—	—	3,993.09	1,201.71	5.61	68.05	109.44	—	6,604.52
Selangor	101.27	3.74	—	—	—	228.57	87.15	—	3.09	—	3.32	427.14
Wilayah Persekutuan	1.73	0.06	—	—	—	3.91	1.49	—	0.05	—	0.06	7.30
Negeri Sembilan	235.89	49.88	—	—	—	312.51	173.62	1.38	13.08	0.11	132.73	919.20
Melaka	81.32	13.98	10.27	—	—	48.99	1.60	3.84	—	0.36	52.31	212.67
Johor.. . . .	6.87	5.71	—	—	—	87.09	45.14	0.03	—	24.38	56.92	226.14
Pahang	148.62	107.35	—	—	—	77.70	35.61	1.99	—	0.66	0.82	372.75
Trengganu	40.35	32.63	0.02	—	0.11	32.96	23.09	0.62	—	0.04	1.41	131.23
Kelantan	30.15	29.04	—	—	0.12	40.45	35.17	0.57	—	—	2.65	138.15
JUMLAH TOTAL	1,801.30	379.36	49.86	3.93	0.25	4,862.21	1,636.39	16.95	84.27	136.75	258.94	9,230.21

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI BORONG PENGELUARAN HASIL IKAN AIRTAWAR DARI KOLAM DAN BEKAS LOMBONG
MENGIKUT JENIS IKAN DAN NEGERI, 1981
WHOLESALE VALUE OF FRESHWATER FISH PRODUCTION FROM FISH PONDS AND MINING
POOLS BY TYPE OF FISH AND STATE, 1981

(Nilai Dalam M\$/Value in M\$)

Negeri State	JENIS IKAN/TYPE OF FISH											Jumlah Ton M. Total M. Tonnes
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Tilapia	Udang Galah Freshwater Giant Prawn	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Haruan Snake Head	Jelawat River Carp	Keli Catfish	Pelbagai* Miscellaneous	
Perlis.. .. .	8,201	2,395	2,063	811	—	6,893	12,484	290	—	54	1,501	34,692
Kedah	66,748	54,922	1,623	4,416	300	40,992	30,845	7,953	—	4,223	7,917	219,939
Pulau Pinang	125,044	40,125	—	—	—	64,782	31,742	1,127	—	457	—	263,277
Perak	3,011,184	323,056	105,133	—	—	12,178,924	2,836,036	18,064	954,742	294,394	—	19,721,533
Selangor	281,531	11,482	—	—	—	697,139	205,674	—	43,353	—	3,585	1,242,764
Wilayah Persekutuan	4,809	184	—	—	—	11,923	3,517	—	702	—	65	21,200
Negeri Sembilan	655,774	153,131	—	—	—	953,155	409,743	4,444	183,512	296	143,348	2,503,403
Melaka	226,070	42,918	28,243	—	—	149,419	3,776	12,365	—	968	56,495	520,254
Johor	19,099	17,530	—	—	—	265,625	106,530	97	—	65,582	61,474	535,937
Pahang	413,164	329,564	—	—	—	236,985	84,040	6,408	—	1,776	886	1,072,823
Trengganu	112,173	100,174	55	—	1,650	100,528	54,493	1,996	—	108	1,523	372,700
Kelantan	83,817	89,153	—	—	1,800	123,373	83,001	1,835	—	—	2,862	385,841
JUMLAH TOTAL ..	5,007,614	1,164,634	137,117	5,227	3,750	14,829,738	3,861,881	54,579	1,182,309	367,858	279,656	26,894,363

* Termasuk/Includes Patin.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI RUNCIT PENGELUARAN HASIL IKAN AIRTAWAR DARI KOLAM DAN BEKAS KOLAM
MENGIKUT JENIS IKAN DAN NEGERI, 1981
 RETAIL VALUE OF FRESHWATER FISH PRODUCTION FROM FISH PONDS AND MINING
 POOLS BY TYPE OF FISH AND STATE, 1981

(Nilai Dalam M\$/Value in M\$)

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Negeri State	JENIS IKAN/TYPE OF FISH											Jumlah Ton M. Total M. Tonnes
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Gajah Freshwater Giant Prawn	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Haruan Snake Head	Jelawat River Carp	Keli Catfish	Pelbagai* Miscellaneous	
Perlis.. .. .	10,237	2,863	2,407	1,281	—	8,611	16,240	351	—	69	2,419	44,478
Kedah	83,315	65,656	1,894	6,972	348	51,206	40,125	9,633	—	5,448	12,754	277,351
Pulau Pinang	156,081	47,967	—	—	—	80,924	41,292	1,365	—	590	—	328,219
Perak	3,758,565	386,194	122,718	—	—	15,213,673	3,689,250	21,879	1,364,402	379,757	—	24,936,438
Selangor	351,407	13,726	—	—	—	870,852	267,550	—	61,955	—	5,777	1,571,267
Wilayah Persekutuan	6,003	220	—	—	—	14,897	4,574	—	1,003	—	104	26,801
Negeri Sembilan	818,538	183,059	—	—	—	1,190,663	533,013	5,382	262,254	382	230,950	3,224,241
Melaka	282,180	51,307	32,967	—	—	186,652	4,912	14,976	—	1,249	91,019	665,262
Johor.. .. .	23,839	20,956	—	—	—	331,813	138,580	117	—	84,599	99,041	698,945
Pahang	515,711	393,974	—	—	—	296,037	109,323	7,761	—	2,290	1,427	1,326,523
Trengganu	140,015	119,752	64	—	1,913	125,578	70,886	2,418	—	139	2,453	463,218
Kelantan	104,620	106,576	—	—	2,087	154,114	107,972	2,223	—	—	4,611	482,203
JUMLAH TOTAL	6,250,511	1,392,250	160,050	8,253	4,348	18,525,020	5,023,717	66,105	1,689,614	474,523	450,555	34,044,946

* Termasuk/Includes Ikan Patin.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENGELUARAN BENIH IKAN AIRTAWAR OLEH PUSAT-PUSAT PENGELUARAN, 1981
 FRESHWATER FISH FRY PRODUCTION BY STATION, 1981

PUNCA/SOURCE	JENIS BENIH IKAN/SPECIES OF FISH FRY											JUMLAH/TOTAL
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gourami	Siakap Snapper	Patin/River Catfish	Kap Rumpul Grass Carp	Kap Kepala Besar/Big Head Carp	Kap Cermin Mirror Carp	
Institut Penyelidikan Perikanan, Pulau Pinang <i>Fisheries Research Institute, Penang</i>	—	—	—	—	1,224,500	—	—	—	—	—	—	1,224,500
Pusat Pembaikbiak Ikan, Jitra, Kedah <i>Fish Breeding Station, Jitra, Kedah</i>	716,642	156,514	31,389	94,176	—	—	—	—	—	—	—	998,721
Pusat Pembaikbiak Ikan, Enggor, Perak <i>Fish Breeding Station, Enggor, Perak</i>	806,354	48,645	41,123	—	—	950	—	—	—	—	—	897,072
Pusat Pembaikbiak Ikan, Tapah, Perak <i>Fish Breeding Station, Tapah, Perak</i>	948,129	5,075	354,686	—	—	1,205	—	—	—	—	—	1,309,095
Pusat Pembaikbiak Ikan, Machang, Kelantan <i>Fish Breeding Station, Machang, Kelantan</i>	28,155	400,190	6,210	—	—	—	—	—	—	—	—	434,555
Pusat Pembaikbiak Ikan, Bukit Tinggi, Pahang <i>Fish Breeding Station, Bukit Tinggi, Pahang</i>	703,784	212,942	—	5	—	—	—	—	—	—	—	916,731
Pusat Percubaan Menternak Ikan, Cameron Highland, Pahang <i>Fish Culture Experimental Station, Cameron Highland, Pahang</i>	—	174,340	—	—	—	—	—	—	—	—	6	174,346
Pusat Pembaikbiak Ikan, Kong-Kong, Johor <i>Fish Breeding Station, Kong-Kong, Johor</i>	80,390	9,240	—	—	—	—	—	—	—	—	—	89,630
Pusat Penetasan Udang Galah, Port Dickson, Negeri Sembilan <i>Prawn Hatchery Station, Port Dickson, Negeri Sembilan</i>	—	—	—	—	458,560	—	—	—	—	—	—	458,560
Subsidi <i>Subsidies</i>	—	—	—	—	—	—	1,000	6,670	336,196	168,626	—	512,492
JUMLAH/TOTAL	3,283,454	1,006,946	433,408	94,181	1,683,060	2,155	1,000	6,670	336,196	168,626	6	7,015,702

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIR TAWAR, 1981
DISTRIBUTION OF FRESHWATER FISH FRY, 1981

Negeri/State	Kepada Penternak (To Farmers)										JUMLAH/TOTAL
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gourami	Siakap Snapper	Patin/River Catfish	Kap Rumpot Grass Carp	Kap Kepala Besar/Big Head Carp	
Pertis	28,400	12,935	3,895	12,145	—	—	—	—	4,860	2,270	64,505
Kedah	182,192	83,624	23,684	66,336	170,000	—	—	—	19,830	9,520	555,186
Pulau Pinang	6,570	3,125	—	185	20,000	—	—	—	7,145	1,685	38,710
Perak	419,893	26,120	196,364	—	—	955	1,000	250	96,825	24,240	765,647
Selangor	93,460	14,950	68,030	1,000	16,760	—	—	—	42,487	13,289	249,976
Wilayah Persekutuan	1,065	245	—	—	—	—	—	—	—	—	1,310
Negeri Sembilan	480,148	163,990	7,535	—	195,700	—	—	—	22,561	14,714	884,648
Melaka	180,660	86,500	—	—	166,700	—	—	3,070	9,081	6,015	452,026
Johor	114,170	27,510	—	2,000	—	—	—	3,350	15,300	9,500	171,830
Pahang	151,108	68,894	3,880	—	—	—	—	—	32,635	14,480	270,997
Trengganu	232,508	165,813	1,770	—	55,000	—	—	—	32,905	41,395	529,391
Kelantan	112,905	75,550	—	—	90,000	—	—	—	52,567	31,518	362,540
Jumlah/Total	2,003,079	729,256	305,158	81,666	714,160	955	1,000	6,670	336,196	168,626	4,346,766

JADUAL (TABLE) 5.6—(samb.) (cont.)

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIR TAWAR, 1981—(samb.)
DISTRIBUTION OF FRESHWATER FISH FRY, 1981—(cont.)

Negeri/State	Pelepasan Ke dalam Perairan Umum Stocking in Open and Impounded Water					Kegunaan Pelbagai Research and Miscellaneous Purpose								JUMLAH BESAR GRAND TOTAL
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia/Tilapia	JUMLAH/ TOTAL	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gourami	Cap Cermin Mirror Carp	Jumlah Total	
Perlis.. .. .	23,000	—	—	7,000	30,000	200	200	200	200	—	—	—	800	95,305
Kedah	207,000	17,000	—	—	224,000	1,700	1,610	410	1,510	35,000	—	—	40,230	819,416
Pulau Pinang	—	—	—	—	—	15,000	13,750	3,000	3,300	500	—	—	35,550	74,260
Perak	395,000	19,000	2,000	—	416,000	35,235	515	19,500	500	—	1,200	6	56,956	1,238,603
Selangor	—	500	90,000	—	90,500	—	3,000	—	—	—	—	—	3,000	343,476
Wilayah Persekutuan	—	—	—	—	—	250	650	—	5	—	—	—	905	2,215
Negeri Sembilan	50,000	—	—	—	50,000	—	—	—	—	—	—	—	—	934,648
Melaka	2,000	—	—	—	2,000	—	—	—	—	—	—	—	—	454,026
Johor.. . . .	—	—	—	—	—	—	—	—	—	24,200	—	—	24,200	196,030
Pahang	44,000	3,000	8,500	—	55,500	289,720	153,005	—	—	8,000	—	—	450,725	777,222
Trengganu	2,300	11,710	—	—	14,010	121,000	53,750	4,040	—	—	—	—	178,790	722,191
Kelantan	—	—	600	—	600	93,970	—	—	—	—	—	—	93,970	457,110
Majuikan	—	—	—	—	—	—	—	—	—	881,200	—	—	881,200	881,200
Risda	—	—	—	—	—	—	—	—	—	20,000	—	—	20,000	20,000
JUMLAH/TOTAL	723,300	51,210	101,100	7,000	882,610	557,075	226,480	27,150	5,515	968,900	1,200	6	1,786,326	7,015,702

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENJUALAN IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN JENIS IKAN, 1981
SALE OF FRESHWATER FISH AT MAJOR MARKETS BY STATE AND TYPE OF FISH, 1981

(Kuantiti dalam Ton M/Quantity in M. Tonnes)

JENIS IKAN/TYPE OF FISH		Perlis	Kedah	Pulau Pinang	Perak	Selangor	Wilayah Persekutuan	Negeri Sembilan	Melaka	Johor	Pahang	Trengganu	Kelantan	Jumlah Ton M. Total M. Tonnes
Nama Tempatan Local Name	Nama Saintifik Scientific Name													
Baung	Mystus nemurus	—	—	—	8.22	—	—	0.07	—	14.22	0.52	—	—	23.03
Belida	Notopetrus chittala	—	—	—	10.19	—	—	—	—	8.17	0.55	—	0.01	18.92
Bujuk	Ophicephalus lucius	—	—	—	0.54	—	—	—	—	—	—	—	—	0.54
Haruan	Ophicephalus striatus	—	0.16	—	93.67	1.01	—	1.37	1.42	3.33	1.29	—	0.20	102.45
Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	0.12	2.12	0.25	—	—	2.49
Jelawat Kolam	—	—	—	—	—	—	—	—	—	—	0.02	—	—	0.02
Jelawat Sungai	—	—	—	—	—	—	—	—	0.24	—	0.05	—	—	0.29
Kalui	Osphronemus goramy	—	—	—	—	—	—	—	—	—	0.86	—	—	0.86
Kap Rumput	Ctenopharyngodon idella	—	1.04	2.51	112.08	95.20	16.98	41.59	13.56	13.31	2.88	*	0.73	299.88
Kap Lumpur	Cirrhinia molitorella	—	—	—	1.26	—	—	—	—	—	0.52	—	—	1.78
Kelah	Tor tambroides	—	—	—	—	—	—	—	—	—	0.28	—	0.03	0.31
Keli	Clarias batrachus	—	0.10	0.30	132.32	2.55	0.59	8.54	0.97	3.87	5.72	—	0.19	155.15
Ketutu	Oxyeleotris marmoratus	—	—	—	27.17	0.01	—	1.16	—	0.30	0.01	—	—	28.65
Kap Kepala Besar	Aristichthys nobilis	—	0.54	8.58	97.41	92.32	0.55	34.53	6.76	15.43	1.32	—	0.96	258.40
Kerai Kunyit	Puntius daruphani	—	—	—	—	—	—	—	—	—	0.50	—	0.01	0.51
Kerai Puteh	—	—	—	—	—	—	—	—	—	—	0.82	—	—	0.82
Kerai Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	—	—	0.02	—	—	0.02
Kenerak	—	—	—	—	—	—	—	—	—	—	0.44	—	—	0.44
Ketam Nipah	—	—	—	—	—	—	—	—	—	—	—	0.52	—	0.52
Lomah	Labiobarbus ocellatus	—	—	—	0.33	—	—	—	—	—	—	—	—	0.33
Lais	Kryptopterus Cryptopterus	—	—	—	—	—	—	—	—	11.80	—	—	—	11.80
Lampam Jawa	Puntius gonionotus	—	1.15	0.15	103.44	7.38	—	11.52	11.82	5.45	4.18	—	0.62	145.71
Lampam Sungai	Puntius schwarefeldii	—	0.06	—	38.88	0.25	—	1.13	0.06	7.56	0.47	0.06	0.08	48.55
Lawang	Pangesius micronemus	—	—	—	—	—	—	—	—	—	0.03	—	—	0.03
Lee Koh	Cyprinus Carpio	—	0.86	0.03	24.64	13.82	—	11.46	4.60	1.81	1.13	—	0.30	58.65
Limbati	Clarias nieuhofii (C.V.)	—	—	—	0.02	—	—	—	—	2.72	—	—	—	2.74
Patong	Pristolepis fasciatus	—	—	—	—	—	—	—	—	—	—	0.12	0.02	0.14

Patok	—	—	—	—	—	—	—	—	—	—	0.18	—	—	0.18
Patin Pahang	—	—	—	—	—	—	—	—	—	—	0.13	—	—	0.13
Patin Muncong	—	—	—	—	—	—	—	—	—	—	0.63	—	—	0.63
Patin Perak	—	—	—	—	—	—	—	—	—	—	1.24	—	—	1.24
Patin Kolam	—	—	—	—	—	—	—	—	—	—	0.23	—	—	0.23
Patin Sungai	—	—	—	—	—	—	—	—	—	—	0.11	—	—	0.11
Patin	—	—	—	—	—	—	—	—	—	11.49	0.62	—	—	12.11
Puyu	Anabas testudineus	—	0.02	—	3.56	0.23	—	—	0.22	—	0.10	—	—	4.13
Putih	Puntius binotatus	—	—	—	—	1.63	—	—	—	9.68	—	—	—	11.31
Pucuk Pisang	Labiobarbus fasciatus	—	—	—	2.12	—	—	—	—	—	—	—	—	2.12
Sebarau	Hampala macrolepidota V. Hasselt	—	—	—	1.81	—	—	—	—	4.84	0.61	—	—	7.26
Sepat Siam	Trichogaster pectoralis	0.45	0.35	—	111.66	0.32	—	2.13	0.44	—	0.79	—	0.01	116.15
Temperas	Cyclocheilichthys apagon (C.V.)	—	—	—	—	—	—	—	—	—	0.02	—	—	0.02
Tapah	Wallago Attu (Bl. Scha)	—	—	—	0.14	—	—	—	—	7.86	0.24	—	—	8.24
Temakang	Helostoma temmincki	—	—	—	2.80	—	—	—	—	3.93	*	—	0.03	6.76
Temoleh	Probarbus julieni Sauvage	—	—	—	—	—	—	—	—	—	0.08	—	—	0.08
Tengalan	Puntius bulu	—	—	—	0.10	—	—	—	—	—	0.53	—	—	0.63
Terbol	Osteo chilus hasselti	—	—	—	18.06	0.18	—	0.02	—	1.21	0.08	—	—	19.55
Tilapia	Tilapia mossambica	—	0.02	0.08	102.93	—	—	0.21	0.06	—	0.42	—	—	103.72
Toman	Ophicephalus micropeltes	—	—	—	0.08	—	—	—	—	3.02	—	—	*	3.10
Tongsan	Acrossocheilus hexagonolepis	—	—	—	—	—	—	—	—	—	0.61	—	—	0.61
Ubi	Chana lucius (C.V.)	—	—	—	—	—	—	—	—	—	0.01	—	—	0.01
Udang Galah	Macrobrachium rosenbergii	—	0.02	—	44.35	0.91	20.81	—	0.12	18.75	0.15	0.04	0.04	85.19
Pelbagai	Miscellaneous	—	0.03	—	81.14	30.56	—	—	—	25.40	1.76	0.20	0.12	139.21
Jumlah Ton M. Total M. Tonnes		0.45	4.35	11.65	1,018.92	246.37	38.93	113.73	40.39	176.27	30.40	0.94	3.35	1,685.75

* Note: Less than 0.01 m. tonnes.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT BULAN, 1981
 WHOLESALE PRICES OF FRESHWATER FISHES AT MAJOR MARKETS BY MONTH, 1981

(M\$/Kg)

JENIS IKAN/TYPE OF FISH		Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata Average
Nama Tempatan Local Name	Nama Saintifik Scientific Name													
Baung	Mystus nemurus	4.29	4.55	2.95	3.94	4.16	3.63	4.34	3.68	4.88	4.62	5.54	7.46	4.50
Belida	Notopetrus chitala	3.22	3.42	3.05	3.75	3.22	3.27	3.18	3.28	4.13	3.22	5.78	2.97	3.54
Bujuk.. .. .	Ophicephalus lucius	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	Ophicephalus striatus	2.74	2.85	2.64	2.99	3.37	3.28	3.53	3.20	3.30	3.15	3.93	3.65	3.22
Jelawat	Leptobarbus hoeveni	46.20	29.29	11.55	28.88	46.20	49.50	49.50	46.20	46.20	42.90	46.20	45.38	40.67
Jelawat Kolam	—	—	—	—	—	—	—	—	—	—	—	14.03	—	14.03
Jelawat Sungai	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kalui	Osphronemus goramy	—	4.13	—	3.30	3.30	2.97	—	—	3.96	—	—	—	3.53
Kap Rumpit	Ctenopharyngodon idelles	2.85	3.07	2.89	3.17	2.89	2.90	2.87	2.95	2.95	2.84	3.02	4.17	3.05
Kap Lumpur	Cirrhinia molitorella	—	—	—	—	—	—	4.62	—	—	—	—	7.92	6.27
Kelah	Tor tambroides	14.85	14.03	—	14.03	13.20	13.20	11.55	11.55	11.55	13.20	13.20	14.03	13.13
Keli	Clarias batrachus	2.99	2.66	2.36	2.64	2.48	2.67	2.72	2.41	3.00	2.38	2.90	3.07	2.69
Ketutu	Oxyeleotris marmoratus	14.85	14.85	14.03	15.96	15.13	13.02	15.96	8.66	16.22	16.63	22.69	15.68	15.31
Kap Kepala Besar	Aristichthys nobilis	2.49	2.81	2.21	2.19	2.24	2.13	2.24	2.28	2.36	2.18	2.39	2.79	2.36
Kerai Kunyit	Puntius daruphani	13.20	14.85	—	11.55	11.55	13.20	12.38	13.20	10.73	11.55	9.90	—	12.21
Kerai Puteh	—	12.75	13.86	—	11.67	5.94	10.56	10.56	8.25	10.44	—	8.79	10.16	10.30
Kerai Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	11.55	9.90	—	8.25	—	9.90
Kerai	Large Cyprinids	—	—	—	—	—	—	—	—	—	10.97	—	21.38	16.18
Kenerak	—	—	4.95	—	4.95	—	4.13	—	—	—	—	—	—	4.68
Lomah	Labiobarbus ocellatus	2.15	1.65	—	2.15	2.15	2.15	—	—	—	—	—	—	2.05
Lais	Kryptopterus kryptopterus	—	2.89	2.89	2.89	—	—	—	—	—	—	—	—	2.89
Lampam Jawa	Puntius gonionotus	3.14	2.87	2.51	2.46	3.07	2.92	2.39	2.28	2.51	2.71	3.07	3.37	2.78
Lampam Sungai	Puntius schwarefeldii	3.20	3.27	2.92	3.27	2.99	3.02	3.02	2.95	2.57	2.26	3.27	3.68	3.04
Lawang	Pangesius micronemus	—	6.93	—	6.60	—	11.55	—	—	—	—	—	—	8.36
Lee Koh	Cyprinus carpio	3.32	3.35	2.56	2.87	3.25	2.95	2.82	3.00	2.90	3.04	3.42	3.40	3.07
Limbati	Clarias nieuhofii (C.V.)	—	—	2.48	2.48	—	—	—	—	—	—	—	—	2.48
Patong	Pristolepis fasciatus	—	—	—	—	—	—	—	—	—	—	—	—	—

Patok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Patin Pahang	—	16.50	14.85	—	—	18.15	18.15	15.96	—	—	—	—	—	—	16.72
Patin Muncong	—	18.15	18.15	—	18.15	9.90	14.85	18.15	18.15	9.90	—	18.15	18.69	16.22	
Patin Perak	—	3.80	—	—	10.31	6.85	6.27	—	—	—	—	—	—	6.81	
Patin Kolam	—	—	—	—	—	—	—	—	6.27	—	—	4.54	—	5.41	
Patin Sungai	—	—	—	—	—	—	—	—	15.68	14.85	—	—	—	15.27	
Patin Pangasius pangasius	—	4.37	4.62	4.46	—	—	—	—	—	—	—	—	5.12	4.64	
Puyu Anabas testudineus	2.15	2.15	2.64	3.47	2.56	2.56	2.31	3.30	2.97	3.96	3.96	3.30	2.94		
Putih Puntius binotatus	1.31	2.81	2.39	—	2.31	2.48	—	1.98	—	—	—	—	2.21		
Pucuk Pisang	—	—	0.83	—	—	—	—	—	—	—	—	—	0.83		
Sebarau Hampala macrolepidota V. Hasselt	—	4.79	2.64	—	—	4.95	4.54	—	2.48	—	—	—	3.88		
Sepat Siam	Trichogaster pectoralis	2.57	6.14	1.73	3.02	3.05	2.44	2.43	2.54	2.62	1.98	2.46	2.06	2.75	
Temperas	Cyclocheilichthys apagon (C.V.)	—	—	—	—	—	—	—	—	—	—	2.48	—	2.48	
Tapah Wallago Attu (Bl. Scha) ..	—	4.62	4.62	3.14	4.95	3.30	1.65	4.62	3.96	4.62	4.79	5.28	4.14		
Temakang	Helostoma temmincki	—	4.62	3.55	3.14	1.65	1.65	1.32	1.65	1.65	1.82	3.30	2.67	2.46	
Temoleh	Probarbus julieni Sauvage ..	3.30	3.30	—	—	—	—	—	4.95	4.29	—	4.95	4.95	4.29	
Tengalan	Puntius bulu	4.95	8.25	—	5.20	5.20	5.58	7.45	9.90	7.43	8.25	5.78	8.52	6.96	
Terbol Osteo chilus hasselti	1.32	3.14	2.52	2.89	1.32	2.28	1.07	1.16	1.16	1.16	3.30	2.64	2.00		
Tilapia Tilapia mossambica	0.99	1.47	1.16	1.34	1.77	0.99	0.91	1.04	1.47	1.62	1.78	1.45	1.33		
Toman Ophicephalus micropeltes ..	1.16	—	3.30	4.62	—	—	—	1.65	—	—	—	—	2.68		
Tongsan	Acrossocheilus hexagonolepis	—	—	—	—	—	—	—	—	—	—	—	—	—	
Ubi Chana lucius (C.V.)	—	13.20	—	—	—	—	—	—	—	—	—	—	13.20		
Udang Galah	Macrobrachium rosenbergii ..	15.54	14.14	12.59	13.55	14.24	14.85	17.13	14.85	14.85	13.61	16.70	17.99	15.00	
Pelbagai	Miscellaneous	0.74	0.74	—	0.85	0.83	0.83	0.66	—	1.82	1.37	—	1.85	1.08	

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT BULAN, 1981
 RETAIL PRICES OF FRESHWATER FISHES AT MAJOR MARKETS BY MONTH, 1981

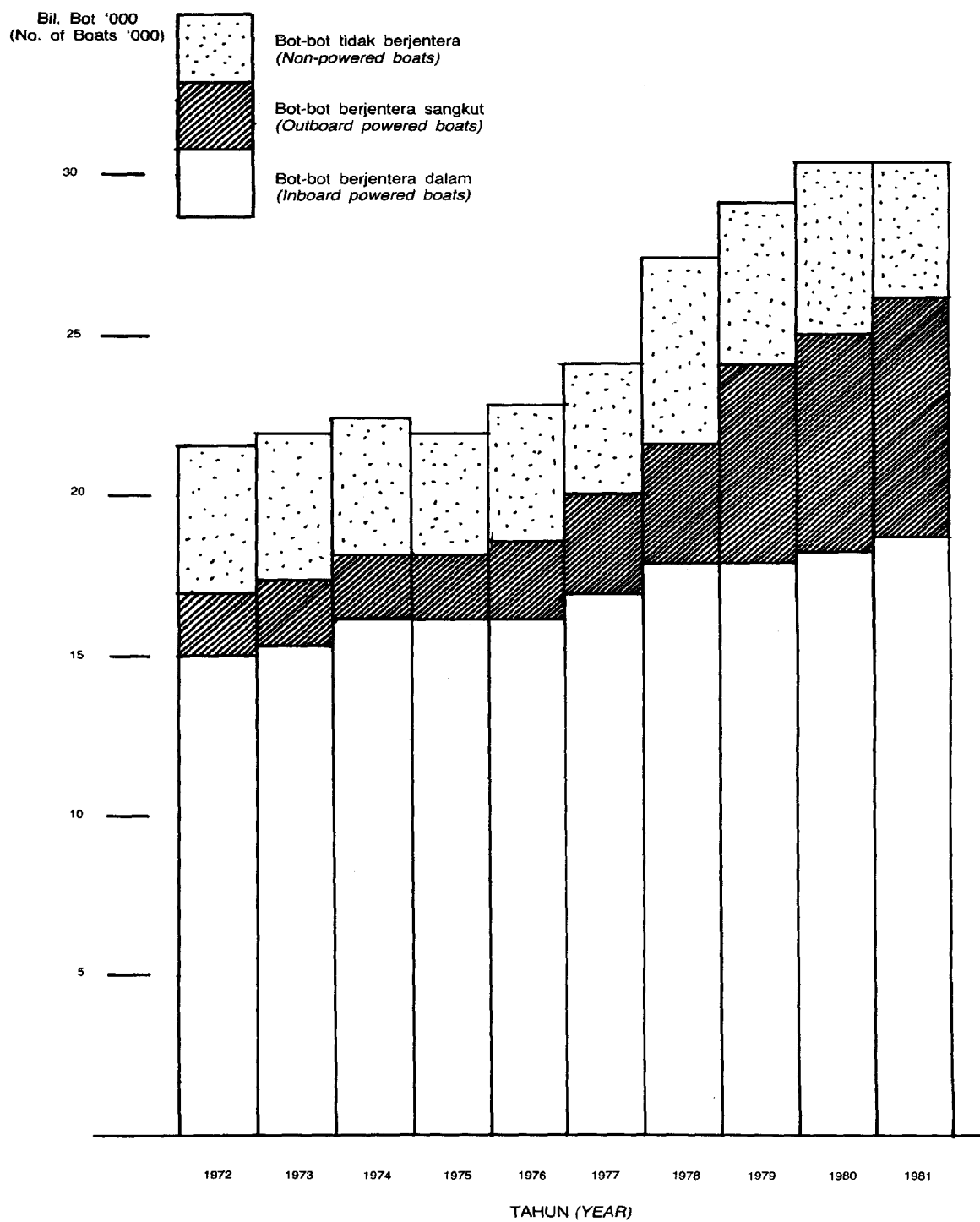
(M\$/Kg.)

JENIS IKAN/TYPE OF FISH		Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata Average
Nama Tempatan Local Name	Nama Saintifik Scientific Name													
Baug	Mystus nemurus	5.15	5.38	3.71	4.85	4.77	4.42	5.08	4.52	6.08	6.02	9.49	8.46	5.66
Belida	Notopetrus chitala	3.58	3.58	3.80	4.41	3.76	3.80	3.75	3.83	3.28	3.96	—	4.17	3.81
Bujuk	Ophicephalus lucius	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	Ophicephalus striatus	3.47	3.50	3.42	3.63	3.86	3.98	4.37	3.73	3.54	3.96	4.83	4.52	3.90
Jelawat	Leptoblabrus hoeveni	49.50	31.10	13.61	29.29	46.20	51.98	49.50	46.20	46.20	44.55	48.67	51.15	42.33
Jelawat Kolam	—	—	19.80	—	19.80	19.80	—	—	—	20.80	—	—	—	20.05
Jelawat Sungai	—	—	—	—	—	46.20	—	—	—	44.80	—	—	51.15	47.38
Kalui	Osphronemus goramy	—	4.95	—	4.13	4.13	4.13	—	—	—	—	—	—	4.34
Kap Rumpit	Ctenopharyngodon idellus	4.22	3.94	3.45	3.89	3.61	3.70	3.70	3.66	3.57	3.61	3.98	4.44	3.81
Kap Lumpur	Cirrhina molitorella	—	—	—	—	—	—	5.94	—	—	—	—	9.90	7.92
Kelah	Tor tambroides	19.80	16.50	—	16.50	16.50	15.68	11.55	11.55	11.20	12.38	14.85	16.50	14.82
Keli	Clarias batrachus	3.68	3.28	3.07	3.30	3.33	3.45	3.35	3.17	3.14	4.01	3.91	3.89	3.47
Ketutu	Oxyeleotris marmonatus	18.56	16.22	18.56	19.52	19.52	16.68	18.84	17.33	18.40	21.45	28.31	28.73	20.18
Kap Kepala Besar	Aristichthys nobilis	3.40	3.10	2.85	2.89	3.00	2.95	3.15	3.02	2.93	2.82	3.30	3.47	3.07
Kerai Kunyit	Puntius daruphani	14.03	15.68	—	12.38	12.38	14.85	14.85	15.68	13.60	10.73	17.16	13.20	14.05
Kerai Puteh	—	13.48	14.69	—	12.38	10.56	12.99	13.20	13.65	12.69	13.53	11.55	11.32	12.73
Kerai Jelawat	Leptobarbus haeveni	—	—	—	—	—	—	—	11.55	9.60	—	48.68	—	23.28
Kerai	Large Cyprinids	—	—	—	—	—	—	—	—	—	—	—	—	—
Kenérak	—	—	5.78	—	5.78	—	5.61	—	—	—	—	—	—	5.72
Lomah	Labiobarbus ocellatus	2.64	2.48	—	2.64	2.64	2.64	—	—	—	—	—	—	2.61
Lais	Kryptopterus cryptopterus	—	3.30	3.30	3.30	—	—	—	—	—	—	—	—	3.30
Lampam Jawa	Puntius gonionotus	3.75	3.43	3.15	3.09	3.60	3.84	3.48	3.14	3.41	3.42	3.65	3.73	3.47
Lampam Sungai	Puntius schwarefeldii	4.11	4.11	3.84	4.22	3.63	3.80	3.50	4.04	3.09	3.12	4.29	4.52	3.86
Lawang	Pangasius micronemus	—	8.25	—	8.25	—	14.85	—	—	—	—	—	—	10.45
Lee Koh	Cyprinus carpio	4.08	4.13	3.38	3.51	3.47	3.89	3.38	3.40	3.34	3.53	3.94	3.91	3.67
Limbat	Clarias nieuhofi (C.V.)	—	—	2.97	2.97	—	—	—	—	—	—	—	—	2.97

Patong	<i>Pristolepis fasciatus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Potak	—	—	—	—	—	—	—	3.30	—	—	—	—	—	—	3.30
Patin Pahang	—	18.81	18.15	—	—	19.80	21.86	18.43	—	—	—	—	—	—	19.41
Patin Muncong	—	18.15	18.15	—	18.15	9.90	14.85	18.15	18.15	9.90	14.85	18.15	20.34	16.25	—
Patin Perak	—	4.50	—	—	11.06	7.43	6.35	—	—	—	—	—	—	—	7.34
Patin Kolam	—	—	—	—	—	—	—	—	6.19	5.12	5.28	8.09	—	—	6.17
Patin Sungai	—	—	—	—	—	—	—	—	17.61	16.53	18.48	25.58	—	—	19.55
Patin	<i>Pangasius pangasius</i>	—	4.79	5.07	5.16	—	—	—	—	—	—	2.76	5.87	4.73	—
Puyu	<i>Anabas testudineus</i>	2.48	2.48	2.92	3.09	3.14	3.14	2.15	3.80	2.16	3.09	3.22	3.71	2.95	—
Putih	<i>Puntius binotatus</i>	2.97	2.97	2.97	3.38	2.89	2.90	—	2.31	—	—	—	—	—	2.91
Pucuk Pisang	<i>Labiobarbus fasciatus</i>	—	—	0.99	—	—	—	—	—	—	—	—	—	—	0.99
Sebarau	<i>Hampala macrolepidota</i> V. Hasselt	—	5.78	2.15	—	—	5.36	4.95	—	2.88	—	—	—	—	4.22
Sepat Siam	<i>Trichogaster pectoralis</i> ..	3.37	5.33	2.29	3.45	3.55	2.92	2.81	3.10	2.69	3.05	3.02	3.04	3.22	—
Temperas	<i>Cyclocheilichthys apagon</i> (C.V.)	—	—	—	—	—	3.30	—	—	—	—	—	—	—	3.30
Tapah	<i>Wallago Attu</i> (Bl. Scha) ..	—	3.42	5.45	3.83	4.95	3.30	2.97	4.95	4.00	5.78	7.43	6.60	4.79	—
Temakang	<i>Helostoma temmincki</i> ..	—	4.95	4.04	3.63	2.48	1.64	1.98	2.64	2.24	2.64	4.79	4.24	3.21	—
Temoleh	<i>Probarbus julieni</i> Sauvage ..	3.96	3.96	—	—	—	—	—	5.45	4.48	5.28	—	6.60	4.96	—
Tengalan	<i>Puntius bulu</i>	5.78	8.58	—	6.02	6.02	6.44	7.84	9.90	7.20	8.25	5.78	8.25	7.28	—
Terbol	<i>Osteochilus hasselti</i>	1.98	3.63	3.18	3.55	2.23	3.47	1.49	1.65	1.60	2.48	5.28	3.96	2.88	—
Tilapia	<i>Tilapia mossambica</i>	1.42	2.99	2.10	1.80	2.34	1.52	1.45	1.82	2.19	2.33	2.48	2.81	2.10	—
Toman	<i>Ophicephalus micropeltes</i> ..	1.65	—	3.80	5.28	—	—	—	2.64	—	—	—	—	—	3.34
Tongsan	<i>Acrossocheilus hexagonolepis</i>	8.25	—	—	—	—	—	—	—	—	—	—	—	—	8.25
Ubi	<i>Chana lucius</i> (C.V.)	—	19.80	—	—	—	—	—	—	—	—	—	—	—	19.80
Udang Galah	<i>Macrobrachium rosenbergii</i> ..	17.79	16.83	15.35	15.89	17.13	17.26	19.80	18.15	16.50	15.33	19.24	19.35	17.39	—
Pelbagai	Miscellaneous	1.16	1.07	—	1.32	1.32	1.32	0.99	—	2.16	1.86	2.72	3.47	1.74	—

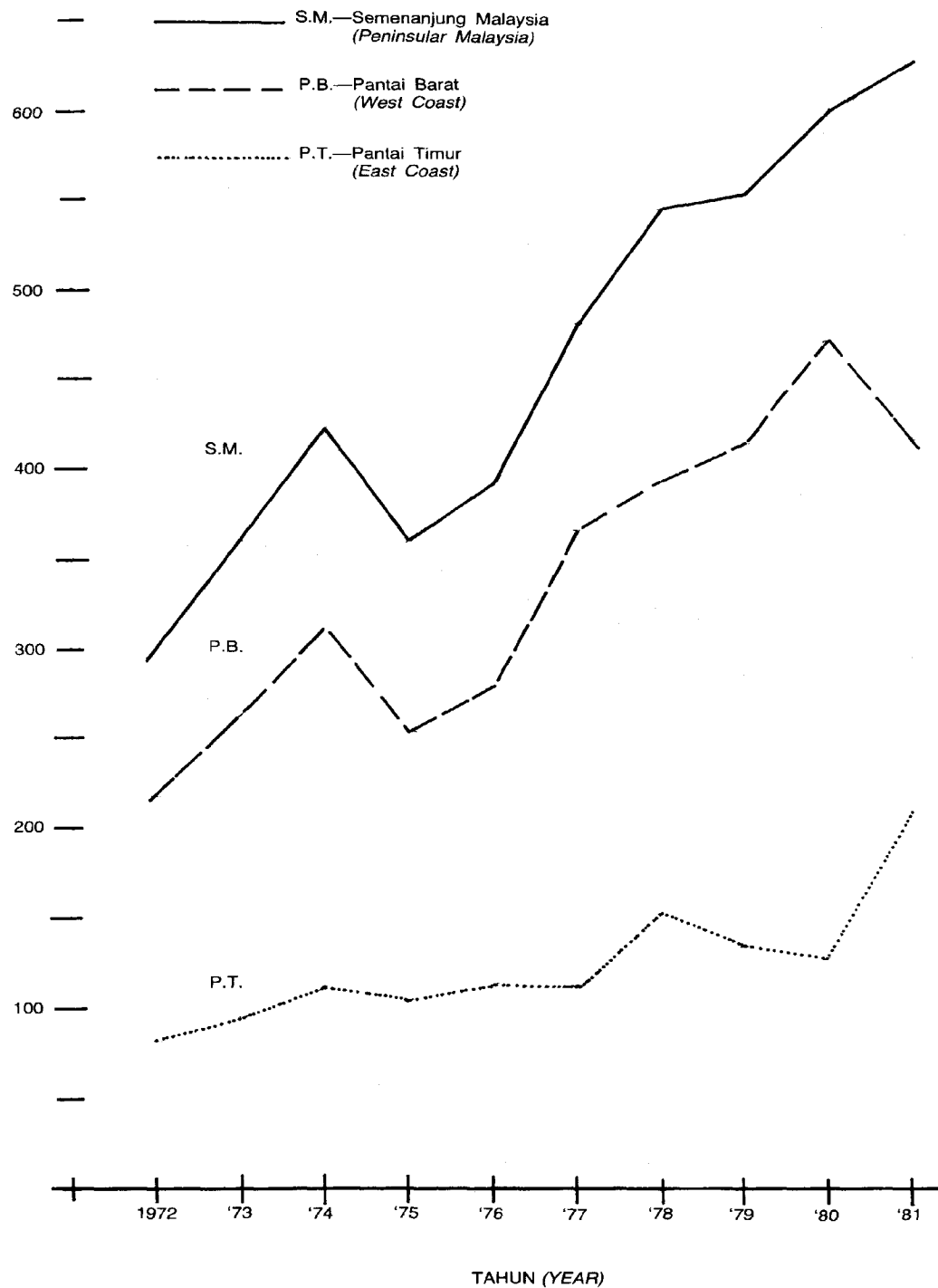
**BILANGAN BOT-BOT BERJENTERA DALAM, BERJENTERA SANGKUT
DAN TIDAK BERJENTERA YANG DILESENKAN BAGI JANGKA
MASA 1972-1981**

*(Number of Inboard Powered, Outboard Powered and Non-Powered
Fishing Boats Licensed in the Period 1972-1981)*

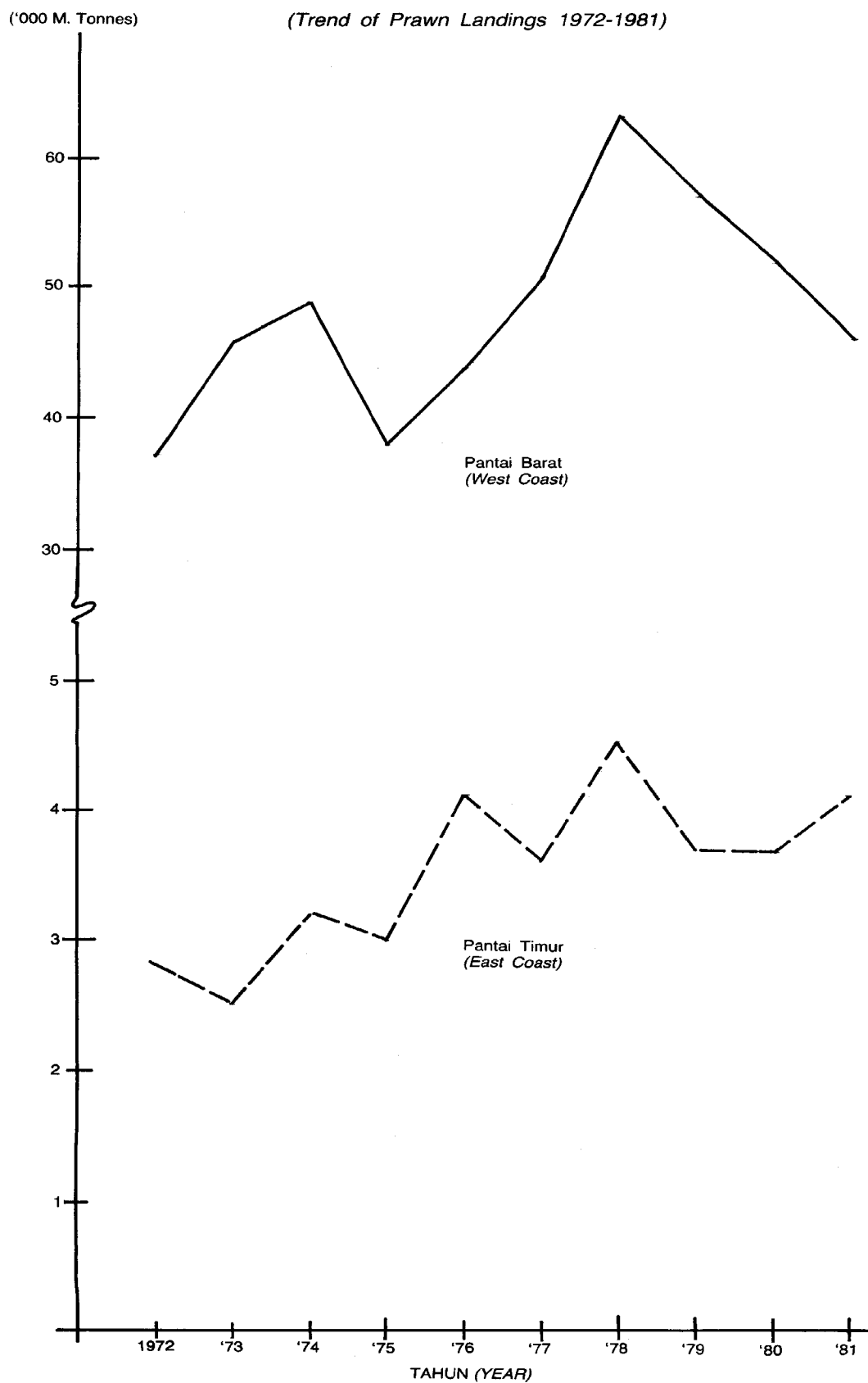


SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 ALIRAN PENDARATAN IKAN LAUT 1972-1981
 (Trend of Marine Fish Landings 1972-1981)

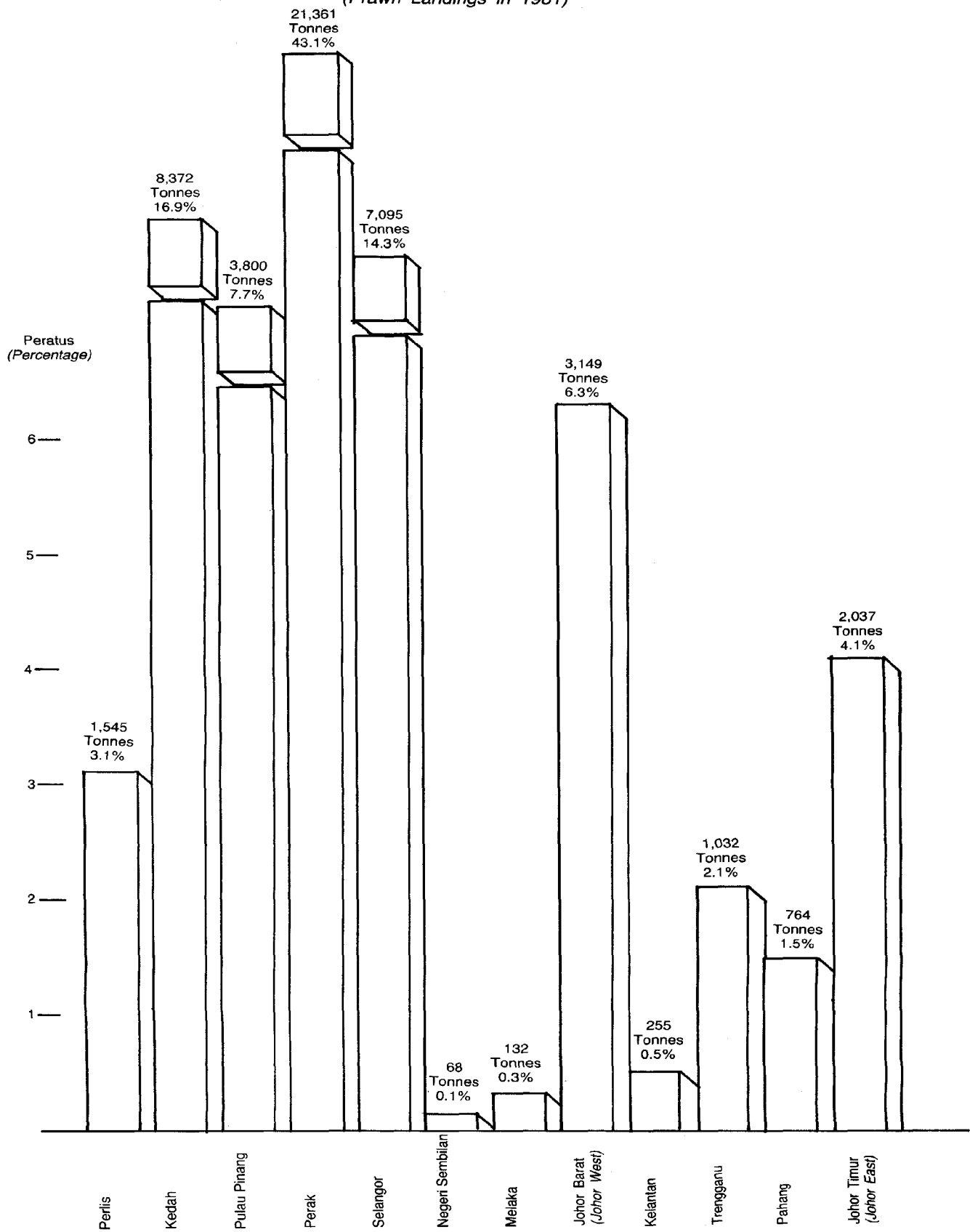
('000 M. Tonnes)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
ALIRAN PENDARATAN UDANG 1972-1981
(Trend of Prawn Landings 1972-1981)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENDARATAN UDANG 1981
 (Prawn Landings in 1981)



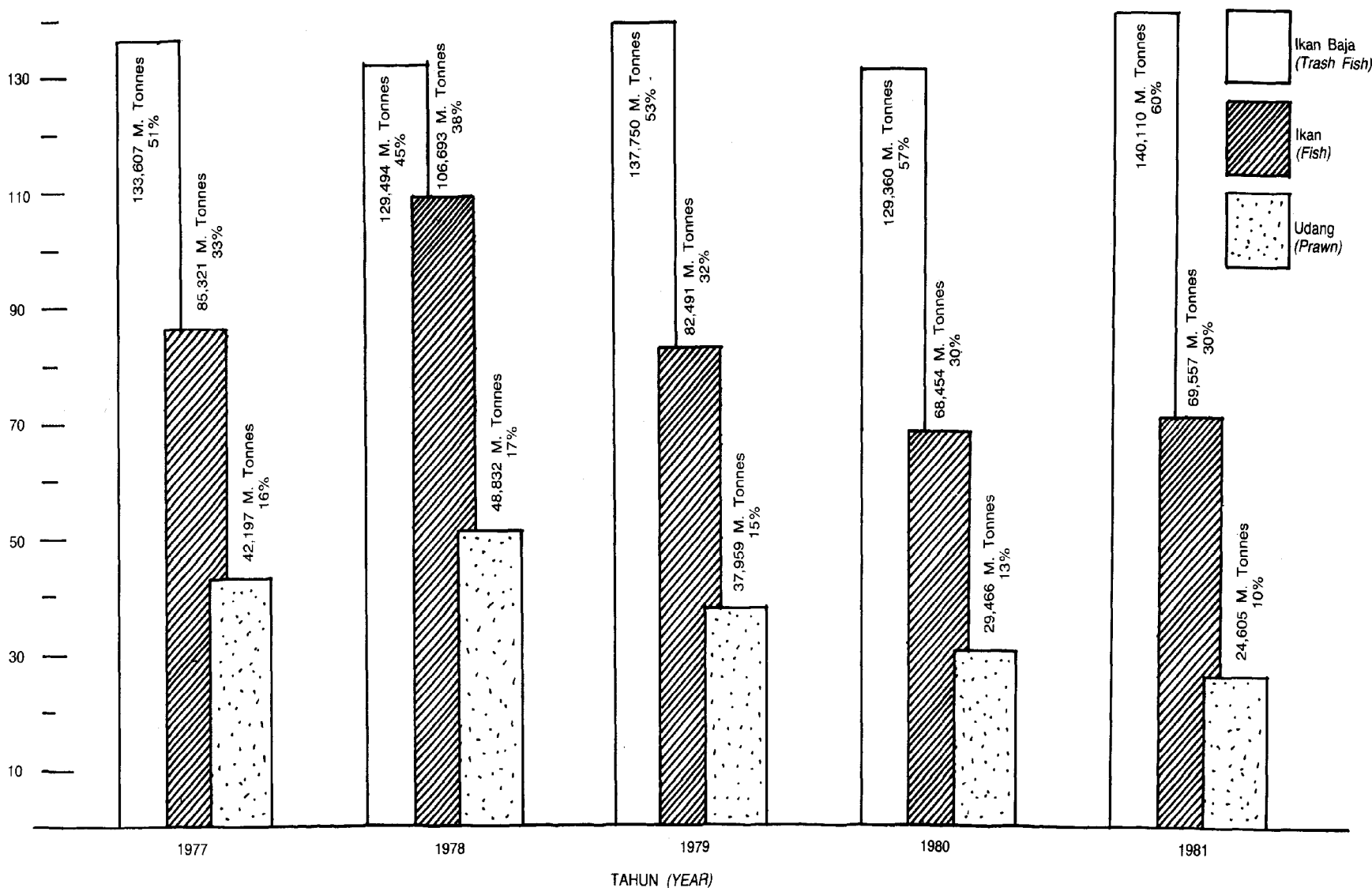
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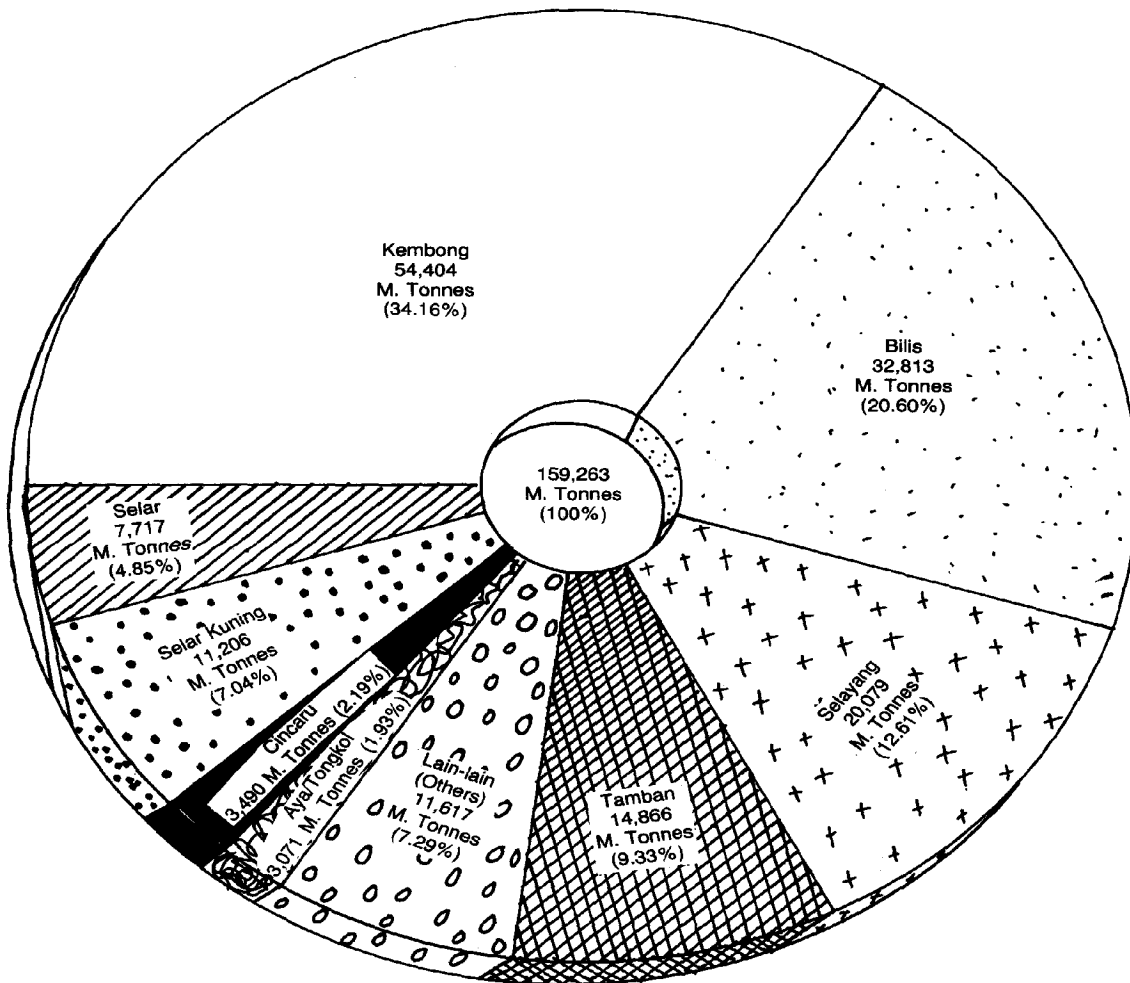
SEMANANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENDARATAN PUKAT TUNDA 1977-1981
(Trawl Landings 1977-1981)

PETA (CHART) E

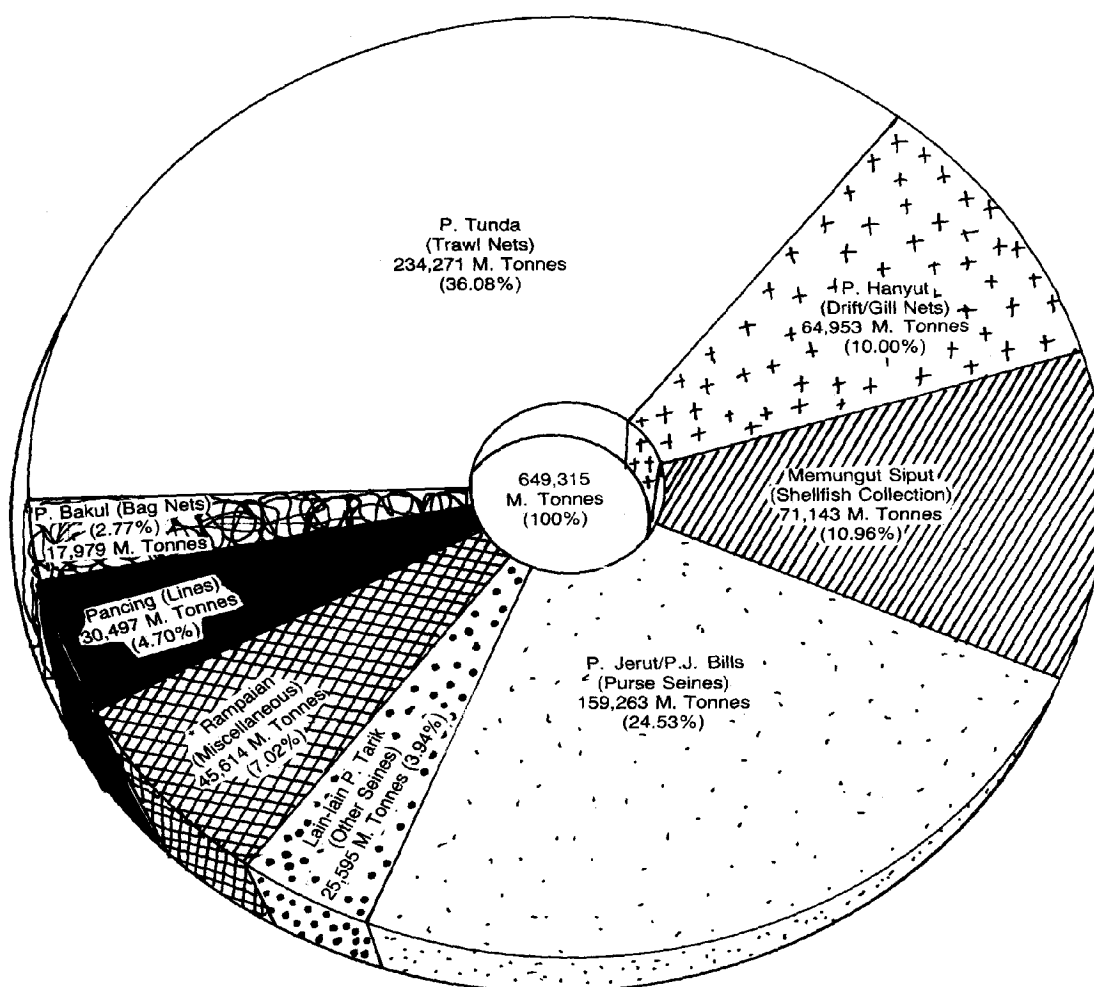
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SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENDARATAN PUKAT JERUT MENGIKUT JENIS IKAN, 1981
(Purse Seine Landings by Type of Fish, 1981)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS, 1981
(Landings of Marine Fish by Gear Group, 1981)

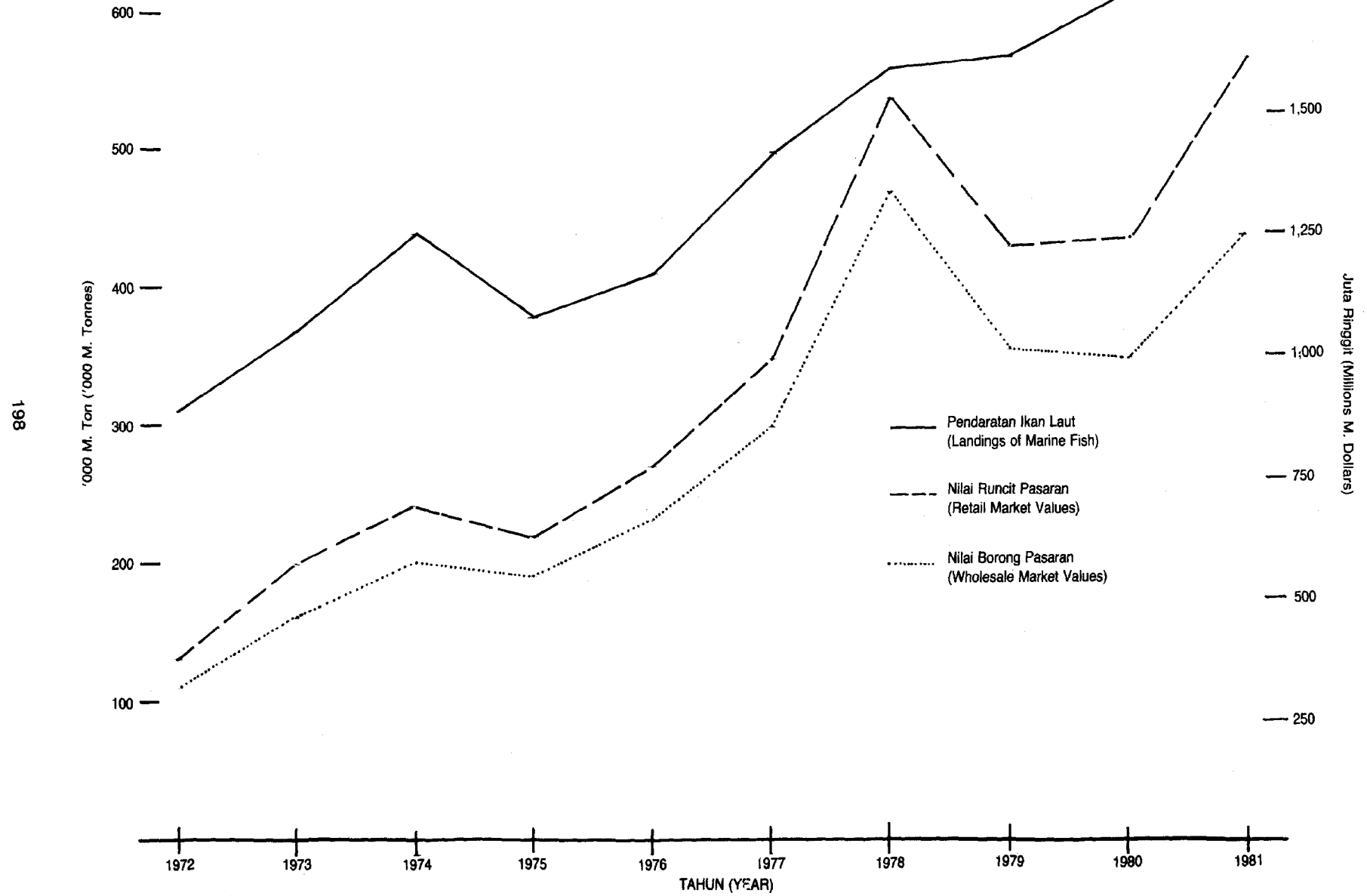


* Rampaian Termasuk P. Tangguk, Belat-Belat, Bubu, P. Rentang, P. Surung, dll.

(Miscellaneous Including Lift Nets, Stationary and Portable Traps, Barrier Nets, Push Nets and Others.)

NILAI PASARAN DAN PENDARATAN IKAN LAUT BAGI TAHUN 1972-1981
(Market Values and Landings of Marine Fish for the Years 1972-1981)

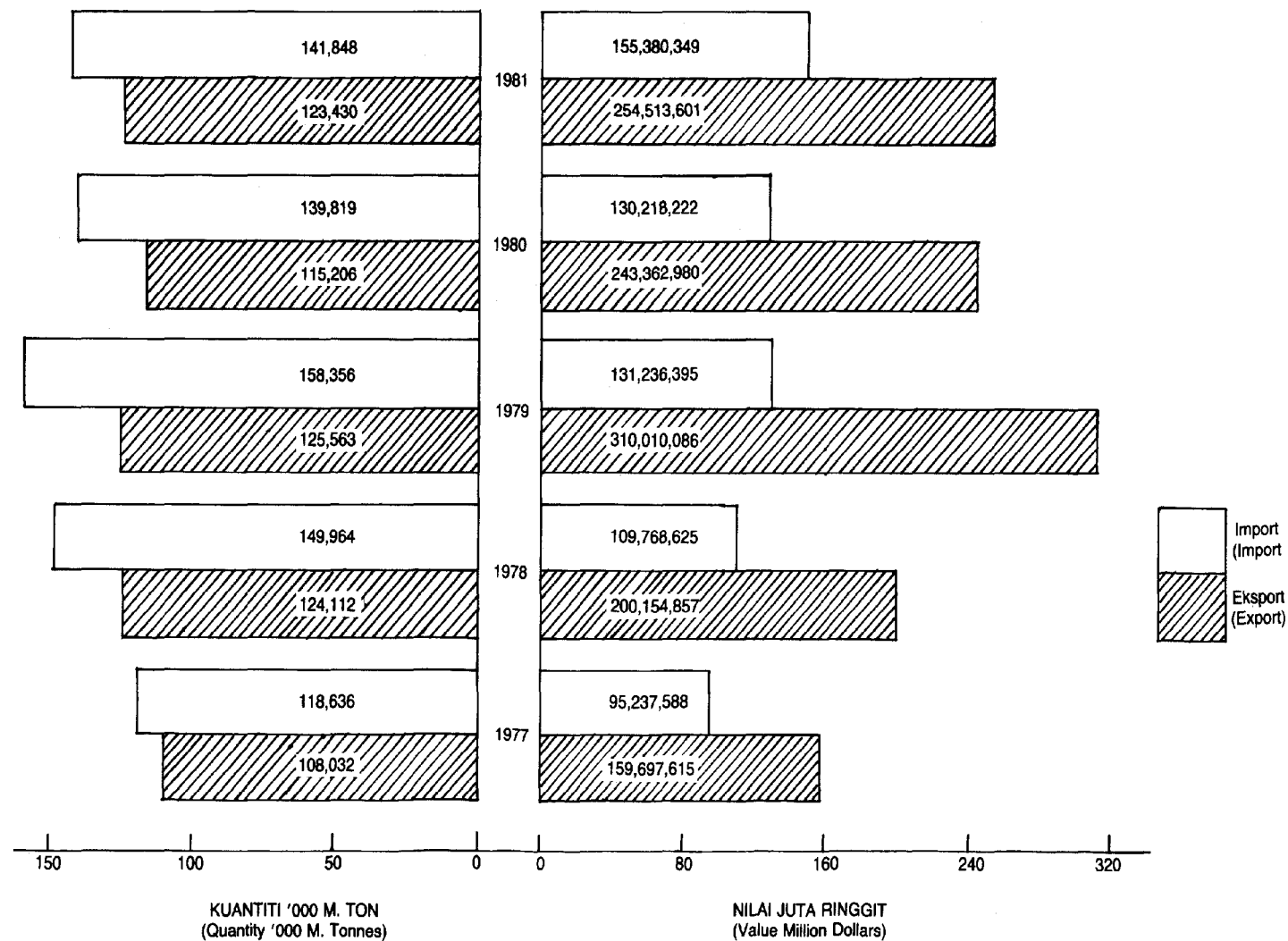
PETA (CHART) H



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
Seri Tahunan Import dan Eksport Barangan Perikanan Mengikut
Kuantiti dan Nilai
(Annual Series of Fishery Commodities Import and Export by Quantity and Value)

PETA (CHART) I

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SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT KUANTITI,
 NILAI DAN NEGERI ASAL/DESTINASI YANG UTAMA, 1981
 (Import and Export of Fishery Commodities by Quantity, Value and
 Major Country of Origin/Destination, 1981)

PETA (CHART) J

