

**PENGELUARAN BENIH
IKAN/UDANG**

***FISH/PRAWN FRY
PRODUCTION***

MALAYSIA

ANGGARAN PENGELUARAN BENIH IKAN AIR TAWAR DARI PUSAT PEMBAIKBIK IKAN KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2001

ESTIMATED PRODUCTION OF FRESHWATER FINGERLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2001

(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Pembaikbiak (Hatchery)	Rega/Hatchling Benih/Fry	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Kap Kepala Besar Big Head Carp	Jelawat River Carp	Keli Freshwater Catfish	Baung River Catfish	Lain-Lain Others	Jumlah Total
PPAT Bukit Tinggi, Pahang	Rega/Hatchling	800,000	0	0	0	0	0	0	1,090,000	0	0	1,890,000
	Benih/Fry	416,775	0	0	0	573,400	0	0	0	0	0	990,175
PPA Jitra, Kedah	Rega/Hatchling	615,000	0	0	0	0	0	0	0	0	0	615,000
	Benih/Fry	902,683	0	6,250	7,700	1,468,057	0	0	338,561	484	120	2,723,855
PLPD Enggor, Perak	Rega/Hatchling	0	0	0	0	0	0	0	2,460,000	0	0	2,460,000
	Benih/Fry	593,620	0	0	0	225,450	0	0	82,700	0	10,200	911,970
PPIAT Bt Berendam, Melaka	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	0	0	0	0	0	0	0	0	0	0	0
PPA Machang, Kelantan	Rega/Hatchling	0	0	0	0	0	0	0	218,900	0	0	218,900
	Benih/Fry	0	0	0	0	314,880	0	0	0	0	0	314,880
PPA Tapah, Perak	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	527,170	0	0	0	718,370	0	0	0	0	0	1,245,540
PPA Jerantut, Pahang	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	0	0	0	0	717,390	0	0	0	0	0	717,390
Sarawak	Rega/Hatchling	na	na	na	na	na	na	na	na	na	na	na
	Benih/Fry	na	na	na	na	na	na	na	na	na	na	na
Sabah	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	308,527	199,229	0	876,123	1,205,959	0	0	3,025	0	28,644	2,621,507
Jumlah/Total	Rega/Hatchling	1,415,000	0	0	0	0	0	0	3,768,900	0	0	5,183,900
	Benih/Fry	2,748,775	199,229	6,250	883,823	5,223,506	0	0	424,286	484	38,964	9,525,317

na: Tiada maklumat (no information available)

MALAYSIA

ANGGARAN PENGELUARAN BENIH UDANG AIR PAYAU/MASIN DAN UDANG GALAH DARI PUSAT KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2001
ESTIMATED PRODUCTION OF BRACKISHWATER AND GIANT FRESHWATER PRAWN FINGERLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2001
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Penetasan (Hatchery)	Pengeluaran (Ekor) Production (Pieces)							
	Udang Harimau Tiger Prawn		Udang Putih Banan Prawn		Udang Galah Giant Freshwater Prawns		Jumlah Total	
	Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry
PPUG Kg. Aceh, Perak	0	0	0	0	0	5,293,470	0	5,293,470
PPIUL Tg. Demong, Terengganu	0	0	0	0	0	0	0	0
PPPBUK Kg. Pulau Sayak, Kedah	0	2,038,800	0	0	0	176,000	0	2,214,800
PPTAP Gelang Patah*, Johor	0	0	0	0	0	0	0	0
Sarawak	0	1,219,400	0	0	0	0	0	1,219,400
Sabah	0	0	0	0	0	0	0	0
Jumlah/Total	0	3,258,200	0	0	0	5,469,470	0	8,727,670

* PPTAP Gelang Patah hanya menumpukan aktiviti kajian ikan dan udang sahaja

* PPTAP Gelang Patah only concentrates on research activities on fish and prawn

Jadual(Table) 30.3

MALAYSIA

ANGGARAN PENGELUARAN BENIH IKAN AIR PAYAU/MASIN DARI PUSAT KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2001
 ESTIMATED PRODUCTION OF BRACKISHWATER FISH FINGERLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2001
 (KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Penetasan (Hatchery)	Rega/Hatchling Benih/Fry	Pengeluaran (Ekor) Production (Pieces)						
		Kerapu Grouper	Siakap Barramundi	Siakap Merah Mangrove Red Snapper	Siput Sudu Mussels	Tiram Oyster	Lain-lain Others	Jumlah Total
PPUG Kg. Acheh, Perak	Rega/Hatchling	0	0	0	0	0	0	0
	Benih/Fry	0	0	0	0	0	0	0
PPIUL Tg. Demong, Terengganu	Rega/Hatchling	22,000,000	189,750,000	0	0	0	0	211,750,000
	Benih/Fry	14,992	267,122	149	0	0	1,133	283,396
PPPBUK Kg. Pulau Sayak, Kedah	Rega/Hatchling	0	440,750	0	0	0	0	440,750
	Benih/Fry	2,540	65,138	52,688	0	30,000	6,912	157,278
PPTAP Gelang Patah*, Johor	Rega/Hatchling	0	0	0	0	0	0	0
	Benih/Fry	0	0	0	0	0	0	0
Sarawak	Rega/Hatchling	0	988,693	0	0	0	0	988,693
	Benih/Fry	0	681,100	0	0	0	0	681,100
Sabah	Rega/Hatchling	0	0	0	0	0	0	0
	Benih/Fry	226,337	0	0	157,352	133,660	0	517,349
Jumlah/Total	Rega/Hatchling	22,000,000	191,179,443	0	0	0	0	213,179,443
	Benih/Fry	243,869	1,013,360	52,837	157,352	163,660	8,045	1,639,123

* PPTAP Gelang Patah hanya menumpukan aktiviti kajian ikan dan udang sahaja

* PPTAP Gelang Patah only concentrates on research activities on fish and prawn

MALAYSIA

BILANGAN DAN ANGGARAN PENGELUARAN HACERI BENIH IKAN AIR PAYAU SWASTA MENGIKUT NEGERI, 2001
NUMBER AND ESTIMATED PRODUCTION OF PRIVATE BRACKISHWATER FISH FRY HATCHERY BY STATE, 2001

Negeri State	Bilangan Numbers	Rega/Benih Hatchling/Fry	Pengeluaran (Juta Ekor) Production (Million Pieces)						
			Kerapu Grouper	Siakap Barramundi	Siakap Merah Mangrove Red Snapper	Siput Sudu Mussels	Tiram Oyster	Lain Lain Others	Jumlah Total
Perlis	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Kedah	1	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	87,000	0	0	0	0	0	87,000
Pulau Pinang	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Perak	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Selangor	6	Rega/Hatchling	0	6,000,000	0	0	0	2,000,000	8,000,000
		Benih/Fry	0	220,000	0	0	0	0	220,000
Negeri Sembilan	2	Rega/Hatchling	0	0	0	0	0	100,000	100,000
		Benih/Fry	0	8,100	0	0	0	100,000	108,100
Melaka	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Johor	3	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Pahang	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	129,900	0	0	0	0	129,900
Terengganu	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Kelantan	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Sarawak	0	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0
Sabah	1	Rega/Hatchling	0	0	0	0	0	0	0
		Benih/Fry	0	200,000	0	0	0	0	200,000
Jumlah/Total	13	Rega/Hatchling	0	6,000,000	0	0	0	2,100,000	8,100,000
		Benih/Fry	87,000	558,000	0	0	0	100,000	745,000

MALAYSIA
BILANGAN DAN ANGGARAN PENGELUARAN HACERI BENIH UDANG SWASTA MENGIKUT NEGERI, 2001
NUMBER AND ESTIMATED PRODUCTION OF PRIVATE PRAWN FRY HATCHERY BY STATE, 2001

Negeri State	Bilangan Numbers	Pengeluaran (Juta Ekor)						
		Udang Harimau Tiger Prawn		Udang Putih Banana Prawn		Bilangan Numbers	Udang Galah Giant Freshwater prawn	
		Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry		Rega Larvae	Benih Juvenile
Perlis	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Kedah	3	557.80	7.00	0.00	0.00	0	0.00	0.00
Pulau Pinang	13	480.00	161.48	0.00	0.00	0	0.00	0.00
Perak	17	2,472.00	218.14	0.00	0.00	5	0.00	6.90
Selangor	8	0.00	192.50	0.00	2.50	0	0.00	0.00
Negeri Sembilan	2	0.00	39.25	0.00	0.00	6	0.00	9.34
Melaka	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Johor	12	0.00	435.00	0.00	44.90	1	0.00	0.20
Pahang	3	0.00	61.79	0.00	0.50	0	0.00	0.00
Terengganu	3	3,660.00	120.00	0.00	0.00	0	0.00	0.00
Kelantan	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Sarawak	na	na	na	na	na	na	na	NA
Sabah	14	0.00	220.60	0.00	0.00	0	0.00	0.00
Jumlah/Total	75	7,169.80	1,455.76	0.00	47.90	12.00	0.00	16.44

na: Tiada maklumat (No information)

MALAYSIA

BILANGAN HACERI SWASTA DAN ANGGARAN PENGELUARAN BENIH IKAN AIRTAWAR MENGIKUT NEGERI, 2001
NUMBER OF PRIVATE HATCHERIES AND ESTIMATED PRODUCTION OF FRESHWATER FISH FRY BY STATE, 2001

Negeri State	Bilangan Numbers	Rega/Benih Hatchling/Fry	Pengeluaran (Ekor) Production (Pieces)								Jumlah Total
			Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Patin River Catfish	Tilapia Merah Red Tilapia	Keli River Catfish	Kap Rumput Grass Carp	Pelbagai Others	
Perlis	0	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0	0
Kedah	5	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	3,600	4,850,000	0	3,500	4,857,100
Pulau Pinang	0	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0	0
Perak	7	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	2,200,000	1,500,000	0	0	4,900,000	4,000,000	430,000	2,380,000	15,410,000
Selangor	21	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	70,000	100,000	130,000	7,400,000	14,411,300	136,275,000	60,000	16,590,000	175,036,300
Negeri Sembilan	10	Rega/Hatchling	0	0	0	0	0	0	265,000	0	265,000
		Benih/Fry	148,900	44,500	0	0	3,386,500	3,434,300	0	68,000	7,082,200
Melaka	8	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	846,500	244,000	0	1,495,000	2,960,125	12,376,520	0	1,721,750	19,643,895
Johor	0	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	500,000	0	0	300,000	3,950,000	0	150,000	4,900,000
Pahang	8	Rega/Hatchling	0	0	0	1,000,000	0	1,400,000	0	0	2,400,000
		Benih/Fry	832,025	13,702	27,010	2,175,042	1,829,836	2,359,992	1,123	1,158,376	8,397,106
Terengganu	0	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0	0
Kelantan	5	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	10,480	25,800	0	0	281,250	85,500	0	5,200	408,230
Sarawak	NA	Rega/Hatchling	na	na	na	na	na	na	na	na	na
		Benih/Fry	na	na	na	na	na	na	na	na	na
Sabah	16	Rega/Hatchling	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	981,733	981,733
Jumlah/Total	80	Rega/Hatchling	0	0	0	1,000,000	0	1,400,000	265,000	0	2,665,000
		Benih/Fry	4,107,905	2,428,002	157,010	11,070,042	28,072,611	167,331,312	491,123	23,058,559	236,716,564

na: Tiada maklumat (No information)

MALAYSIA

PEMBAHAGIAN BENIH IKAN AIR TAWAR UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIS, 2001
DISTRIBUTION OF FRESHWATER FISH FRY FOR MISCELLANEOUS PURPOSES AND RELEASED INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 2001
(KAUNTITI DALAM EKOR/QUANTITY IN PIECES)

Negeri State	Kegunaan Pelbagai/Miscellaneous							Pelepasan Ke Perairan Umum/Released Into Public Waters						Jumlah Kecil Sub Total	Jumlah Besar Grand Total
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Keli Freshwater Catfish	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Pelbagai Others	Jumlah Kecil Sub Total	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Udang Galah Giant Fresh- Water Prawn	Tilapia Merah Red Tilapia	Baung River Catfish	Pelbagai Others		
Pertis	770	0	2,200	0	550	0	3,520	75,790	0	0	0	0	0	75,790	79,310
Kedah	4,803	0	19,264	980	22,209	120	47,376	606,110	0	0	0	484	4,950	611,544	658,920
P. Pinang	0	0	0	0	0	0	0	50,000	0	0	10,000	0	0	60,000	60,000
Perak	19,550	0	2,450	0	18,000	0	40,000	979,000	0	110,000	35,000	0	12,400	1,136,400	1,176,400
Selangor	29,400	0	0	0	12,500	0	41,900	0	0	0	0	0	50,000	50,000	91,900
N. Sembilan	7,000	0	0	0	0	0	7,000	0	0	0	0	0	0	0	7,000
Melaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johor	0	0	0	0	0	0	0	0	0	0	0	1,080	1,350	2,430	2,430
Pahang	0	0	0	0	0	0	0	24,300	1,100	160,000	11,500	10,100	31,750	238,750	238,750
Terengganu	0	0	0	0	0	0	0	40,000	0	0	0	40,000	80,000	160,000	160,000
Kelantan	0	0	62,000	0	26,750	500	89,250	0	0	0	0	0	0	0	89,250
Sarawak	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Sabah	0	0	0	0	0	0	0	16,000	2,000	0	0	0	0	18,000	18,000
Jumlah/ Total	61,523	0	85,914	980	80,009	620	229,046	1,791,200	3,100	270,000	56,500	51,664	180,450	2,352,914	2,581,960

na: Tiada maklumat (No information)

MALAYSIA
PEMBAHAGIAN BENIH IKAN AIR TAWAR KEPADA PENTERNAK MENGIKUT NEGERI DAN SPESIS IKAN, 2001
DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS BY STATE AND SPECIES, 2001
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Patin River Catfish	Udang Galah Giant Fresh water Prawn	Tilapia Merah Red Tilapia	Keli River Catfish	Kap Rumput Grass Carp	Pelbagai Others	Jumlah Total
Perlis	3,318	0	0	0	0	471,120	20,163	0	0	494,601
Kedah	137,742	0	1,300	0	0	613,553	213,774	0	6,720	973,089
Pulau Pinang	14,700	0	0	0	121,800	70,200	24,000	0	0	230,700
Perak	101,240	0	19,300	0	2,055,200	791,420	78,750	0	8,400	3,054,310
Selangor	0	0	0	0	91,000	0	0	0	0	91,000
Negeri Sembilan	70,500	0	0	0	405,000	34,000	10,000	0	0	519,500
Melaka	40,000	0	0	0	0	0	34,000	0	0	74,000
Johor	5,600	0	0	2,500	0	16,000	15,000	0	56,300	95,400
Pahang	121,100	1,500	0	650,000	0	232,870	244,000	0	8,500	1,257,970
Terengganu	0	0	0	54,000	100,000	0	51,000	0	0	205,000
Kelantan	8,500	0	0	0	95,020	309,325	207,900	0	0	620,745
Sarawak	na	na	na	na	na	na	na	na	na	na
Sabah	173,820	193,270	0	0	0	1,189,436	0	0	696,335	2,252,861
Jumlah/Total	676,520	194,770	20,600	706,500	2,868,020	3,727,924	898,587	0	776,255	9,869,176

na: Tiada maklumat (No information)