

Jadual(Table) 38.1

MALAYSIA

ANGGARAN PENGELUARAN BENIH DAN REGA IKAN AIR TAWAR DARI PUSAT PEMBAIKBIK IKAN KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2009

ESTIMATED PRODUCTION OF FRESHWATER FISH FRIES AND HATCHLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2009

(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Pembaikbiak (Hatchery)	Rega/Hatchling Benih/Fry	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Lampam Sungai River Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Kap Kepala Besar Big Head Carp	Jelawat River Carp	Keli Freshwater Catfish	Baung River Catfish	Lain-Lain Others	Jumlah Total
PPA Bukit Tinggi, Pahang	Rega/Hatchling	0	0	0	0	0	0	0	2,950,000	0	0	2,950,000
	Benih/Fry	660,300	0	0	0	652,800	0	0	0	0	0	1,313,100
PPA Jitra, Kedah	Rega/Hatchling	0	0	0	0	0	0	0	800,000	0	0	800,000
	Benih/Fry	0	0	0	0	270,000	0	0	630,000	0	30,000	930,000
*PIH Enggor, Perak	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
**PPPAT Glami Lemi, Negeri Sembilan	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	120,000	0	0	0	0	0	120,000
	Benih/Fry	0	0	0	0	191,410	0	0	412,100	0	118,150	721,660
PPA Tapah, Perak	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	777,310	0	0	0	426,780	0	0	66,535	0	0	1,270,625
PPD Banding, Perak	Rega/Hatchling	0	0	0	0	0	0	0	1,400,000	0	0	1,400,000
	Benih/Fry	0	0	158,150	0	0	0	0	57,959	60,600	138,291	415,000
PPA Jerantut, Pahang	Rega/Hatchling	0	0	0	0	0	0	0	620,000	0	304,000	924,000
	Benih/Fry	0	0	0	0	0	0	32,600	109,200	10,500	1,148,820	1,301,120
***Sarawak	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	834,589	239,474	0	0	539,168	0	146,827	359,147	40,165	717,659	2,877,029
Sabah	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0	0
	Benih/Fry	137,520	104,090	0	630,180	1,520,652	0	0	3,100	0	1,576,012	3,971,554
Jumlah/Total	Rega/Hatchling	0	0	0	0	120,000	0	0	5,770,000	0	304,000	6,194,000
	Benih/Fry	2,409,719	343,564	158,150	630,180	3,600,810	0	179,427	1,638,041	111,265	3,728,932	12,800,088

* PIH Enggor hanya mengeluarkan ikan hiasan sahaja

PIH Enggor produces aquarium fish only

** PPPAT Glami Lemi hanya menumpukan aktiviti penyelidikan sahaja

PPPAT Glami Lemi focus only on research activities

***Maklumat diperoleh drp. 16 buah pusat pembaikbiak ikan Jabatan Pertanian, Sarawak

Data obtained from 16 freshwater hatcheries of the Department of Agriculture, Sarawak

MALAYSIA

ANGGARAN PENGELUARAN BENIH UDANG AIR PAYAU/MASIN DAN UDANG GALAH DARI PUSAT KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2009
ESTIMATED PRODUCTION OF BRACKISHWATER AND GIANT FRESHWATER PRAWN FRIES FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2009
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Penetasan (Hatchery)	Pengeluaran (Ekor) Production (Pieces)							
	Udang Harimau Tiger Prawn		Udang Putih Hawaiian White Shrimp		Udang Galah Giant Freshwater Prawn		Jumlah Total	
	Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry	Nauplii Nauplii	Benih Fry
PPUG Kg. Acheh, Perak	0	0	0	0	0	1,342,840	0	1,342,840
PPIUL Tg. Demong, Terengganu	0	0	0	0	0	0	0	0
PPPBK Kg. Pulau Sayak, Kedah	0	374,000	450,000	370,000	215,000	249,900	665,000	993,900
*PPTAP Gelang Patah, Johor/Johore	0	0	0	0	0	0	0	0
PPBU Belawai, Sarawak	23,928	0	0	0	0	0	23,928	0
Jabatan Pertanian Sarawak (Bhg. Perikanan Darat)	0	0	0	0	0	1,523,800	0	1,523,800
Sabah	0	0	0	0	0	0	0	0
Jumlah/Total	23,928	374,000	450,000	370,000	215,000	3,116,540	688,928	3,860,540

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

PPTAP Gelang Patah focus only on fish and prawn research activities

MALAYSIA

ANGGARAN PENGELUARAN BENIH DAN REGA IKAN AIR PAYAU/MASIN DARI PUSAT PEMBAIKBIK IKAN KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2009
ESTIMATED PRODUCTION OF BRACKISHWATER FISH FRIES AND HATCHLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2009
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Spesis (Species) Pusat Penetasan (Hatchery)	Regal/Hatchling Benih/Fry	Pengeluaran (Ekor) Production (Pieces)							
		Kerapu Grouper	Jenahak John's Snapper	Siakap Barramundi	Tilapia Merah Red Tilapia	Siput Sudu Mussels	Tiram Oysters	Lain-lain Others	Jumlah Total
PPUG Kg. Acheh, Perak	Regal/Hatchling	0	0	0	0	0	0	0	0
	Benih/Fry	0	0	0	0	0	0	0	0
PPIUL Tg. Demong, Terengganu	Regal/Hatchling	81,554,000	0	0	0	0	0	0	81,554,000
	Benih/Fry	0	0	50,500	0	0	0	0	50,500
PPPBK Kg. Pulau Sayak, Kedah	Regal/Hatchling	5,300,000	0	36,950,000	0	0	0	0	42,250,000
	Benih/Fry	10,679	0	86,800	0	0	0	9,000	106,479
*PPTAP Gelang Patah, Johor/Johore	Regal/Hatchling	0	0	2,424,500	0	0	0	0	2,424,500
	Benih/Fry	0	0	1,084,225	0	0	0	0	1,084,225
Jabatan Pertanian Sarawak (Bahagian Perikanan Darat)	Regal/Hatchling	0	0	0	0	0	0	0	0
	Benih/Fry	0	1,447,000	0	0	0	0	0	1,447,000
PPBIL Santubong, Sarawak	Regal/Hatchling	0	0	0	0	0	0	0	0
	Benih/Fry	0	0	42,615	1,200	0	0	0	43,815
Pusat Pembenihan Perikanan Sabah, Tg. Badak, Tuaran	Regal/Hatchling	0	0	0	0	0	0	0	0
	Benih/Fry	84,870	0	67,845	0	0	0	0	152,715
Jumlah/Total	Regal/Hatchling	86,854,000	0	39,374,500	0	0	0	0	126,228,500
	Benih/Fry	95,549	1,447,000	1,331,985	1,200	0	0	9,000	2,884,734

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

PPTAP Gelang Patah focus only on fish and prawn research activities

MALAYSIA

BILANGAN DAN ANGGARAN PENGELUARAN PUSAT PEMBAIKBIK BENIH DAN REGA IKAN AIR PAYAU SWASTA MENGIKUT NEGERI, 2009

NUMBER AND ESTIMATED PRODUCTION OF PRIVATE BRACKISHWATER FISH FRIES AND HATCHLINGS HATCHERY BY STATE, 2009

Negeri State	Bilangan Pusat No. of Hatcheries	Rega/Benih Hatchling/Fry	Pengeluaran (Ekor) Production (Pieces)							
			Kerapu Grouper	Jenahak John's Snapper	Siakap Barramundi	Siakap Merah Mangrove Red Snapper	Siput Sudu Mussels	Tiram Oysters	Lain Lain Others	Jumlah Total
*Perlis	1	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0
Kedah	4	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	80,000	0	2,500,000	300,000	0	0	0	2,880,000
Pulau Pinang/Penang	6	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	1,600,000	830,000	700,000	1,660,000	0	30,000,000	0	34,790,000
Perak	3	Rega/Hatchling	0	1,410,000	50,000,000	0	0	0	0	51,410,000
		Benih/Fry	0	0	0	0	0	0	0	0
Selangor	1	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	3,000	0	0	0	67,500	70,500
Negeri Sembilan	0	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0
Melaka/Malacca	0	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0
Johor/Johore	13	Rega/Hatchling	4,000,000	79,500,000	230,450,000	317,200,000	0	0	18,270,000	649,420,000
		Benih/Fry	360,000	680,000	3,180,000	1,850,000	0	0	780,000	6,850,000
Pahang	1	Rega/Hatchling	87,000	0	0	0	0	0	0	87,000
		Benih/Fry	0	0	0	0	0	0	0	0
Terengganu	76	Rega/Hatchling	60,000,000	0	690,200,000	0	0	0	0	750,200,000
		Benih/Fry	5,012,000	0	73,292,500	0	0	0	0	78,304,500
Kelantan	1	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	30,000	0	0	0	0	0	0	30,000
Sarawak	0	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	0	0
Sabah	18	Rega/Hatchling	0	0	0	0	0	0	0	0
		Benih/Fry	3,643,409	0	3,434,639	0	0	0	150,014	7,228,062
Jumlah/Total	124	Rega/Hatchling	64,087,000	80,910,000	970,650,000	317,200,000	0	0	18,270,000	1,451,117,000
		Benih/Fry	10,725,409	1,510,000	83,110,139	3,810,000	0	30,000,000	997,514	130,153,062

* Perlis mempunyai sebuah pusat yang belum beroperasi

Perlis possesses 1 hatchery which is yet to be in operation

MALAYSIA

BILANGAN DAN ANGGARAN PENGELUARAN PUSAT PEMBAIKBIK BENIH DAN NAUPLII UDANG SWASTA MENGIKUT NEGERI, 2009

NUMBER AND ESTIMATED PRODUCTION OF PRIVATE PRAWN FRIES AND NAUPLII HATCHERIES BY STATE, 2009

Negeri State	Bilangan Pusat No. of Hatcheries	Pengeluaran (Juta Ekor) Production (Million Pieces)						
		Udang Harimau Tiger Prawn		Udang Putih Hawaiian White Shrimp		Bil. Pusat No. of Hatcheries	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	1	0.00	250.00	0.00	0.00	1	0.00	0.50
Pulau Pinang/Penang	8	0.00	110.20	0.00	1,828.74	2	0.00	16.80
Perak	13	0.00	40.50	130.00	942.80	16	0.00	25.84
Selangor	7	0.00	311.61	0.00	216.90	1	0.00	115.75
Negeri Sembilan	0	0.00	0.00	0.00	0.00	4	0.00	0.66
Melaka/Malacca	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Johor/Johore	5	139.00	107.00	8,498.30	3,256.81	1	0.00	0.20
Pahang	2	0.00	158.40	6,311.59	744.77	0	0.00	0.00
Terengganu	2	192.00	0.00	258.00	0.00	0	0.00	0.00
Kelantan	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Sarawak	9	0.00	10.90	0.00	445.90	0	0.00	0.00
Sabah	7	0.00	43.10	0.00	575.70	0	0.00	0.00
Jumlah/Total	54	331.00	1,031.71	15,197.89	8,011.62	25	0.00	159.75

MALAYSIA

BILANGAN DAN ANGGARAN PENGELUARAN PUSAT PEMBAIKBIAK BENIH DAN REGA IKAN AIR TAWAR SWASTA MENGIKUT NEGERI, 2009

NUMBER AND ESTIMATED PRODUCTION OF PRIVATE FRESHWATER FISH FRIES AND HATCHLINGS HATCHERIES BY STATE, 2009

Negeri State	Bilangan Pusat No. of Hatcheries	Rega/Benih Hatchling/Fry	Pengeluaran (Ekor) Production (Pieces)									
			Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Hitam Black Tilapia	Patin River Catfish	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Kap Rumput Grass Carp	Pelbagai Others	Jumlah Total
Perlis	7	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	700,000	0	0	93,000	770,000	0	0	1,563,000
Kedah	13	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	620,000	127,550,000	0	0	128,170,000
Pulau Pinang/Penang	5	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	61,480,000	0	0	61,480,000
Perak	11	Rega/Hatchling	585,000	740,000	0	0	6,190,200	12,128,000	91,827,000	9,000	8,389,200	119,868,400
		Benih/Fry	0	0	0	0	0	0	0	0	0	0
Selangor	23	Rega/Hatchling	0	0	0	0	3,000,000	0	6,055,000	0	4,030,000	13,085,000
		Benih/Fry	182,900	467,000	121,500	0	193,162,500	25,496,000	310,420,500	0	45,053,800	574,904,200
Negeri Sembilan	10	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	285,000	150,000	16,500	0	0	6,182,000	13,630,000	0	1,710,800	21,974,300
Melaka/Malacca	8	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	1,740,000	14,615,000	100,290,000	40,000	5,430,000	122,115,000
Johor/Johore	2	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	0	112,000,000	0	0	112,000,000
Pahang	35	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	368,000	10,000	0	0	2,230,100	3,980,515	9,307,760	0	1,040,000	16,936,375
Terengganu	18	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	970,000	1,281,000	6,934,090	0	0	9,185,090
Kelantan	17	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	120,000	77,000	0	0	300,000	506,000	9,710,000	0	333,500	11,046,500
Sarawak	1	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	0	0	0	0	0	309,840	117,954	0	0	427,794
Sabah	15	Rega/Hatchling	0	0	0	0	0	0	0	0	0	0
		Benih/Fry	6,000	37,000	0	109,600	0	668,000	315,500	0	0	1,136,100
Jumlah/Total	165	Rega/Hatchling	585,000	740,000	0	0	9,190,200	12,128,000	97,882,000	9,000	12,419,200	132,953,400
		Benih/Fry	961,900	741,000	838,000	109,600	198,402,600	53,441,515	752,407,850	40,000	53,568,100	1,060,510,565

Jadual (Table) 38.7

MALAYSIA

PEMBAHAGIAN BENIH IKAN AIR TAWAR UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIS, 2009
DISTRIBUTION OF FRESHWATER FISH FRIES FOR MISCELLANEOUS PURPOSES AND RELEASED INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 2009
(KUANTITI DALAM EKOR/QUANTITY IN PIECES)

Negeri State	Kegunaan PelbagaiMiscellaneous							Pelepasan Ke Perairan UmumReleased 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		
Perlis	0	0	0	0	0	0	0	30,000	0	0	0	0	0	30,000	30,000
Kedah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pulau Pinang/Penang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perak	20,500	0	2,265	0	100,900	15,671	139,336	557,000	0	182,100	0	0	294,991	1,034,091	1,173,427
Selangor	0	0	0	0	0	0	0	0	0	0	0	0	100,000	100,000	100,000
N. Sembilan	0	0	0	0	0	0	0	70,000	0	5,000	0	0	70,000	145,000	145,000
Melaka/Malacca	0	0	0	0	0	0	0	100,000	0	0	0	5,000	10,000	115,000	115,000
Johor/Johore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pahang	0	0	103,700	0	0	73,000	176,700	0	0	0	0	1,800	650,300	652,100	828,800
Terengganu	0	0	0	0	0	0	0	0	0	100,000	0	0	30,000	130,000	130,000
Kelantan	0	0	0	0	0	0	0	10,000	0	0	0	10,000	0	20,000	20,000
Sarawak	0	0	0	0	0	0	0	98,500	30,000	620,000	0	0	258,000	1,006,500	1,006,500
Sabah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah/Total	20,500	0	105,965	0	100,900	88,671	316,036	865,500	30,000	907,100	0	16,800	1,413,291	3,232,691	3,548,727

MALAYSIA
PEMBAHAGIAN BENIH IKAN AIR TAWAR KEPADA PENTERNAK MENGIKUT NEGERI DAN SPESIS IKAN, 2009
DISTRIBUTION OF FRESHWATER FISH FRIES TO CULTURISTS BY STATE AND SPECIES, 2009
(KUANTITI DALAM EKORI/QUANTITY IN PIECES)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Tilapia Hitam Black Tilapia	Patin River Catfish	Udang Galah Giant Fresh- water Prawn	Tilapia Merah Red Tilapia	Keli Freshwater Catfish	Kap Rumput Grass Carp	Pelbagai Others	Jumlah Total
Perlis	0	0	0	0	0	0	90,000	0	0	90,000
Kedah	0	0	0	0	0	270,000	1,430,000	0	30,000	1,730,000
Pulau Pinang/ <i>Penang</i>	0	0	0	0	0	0	0	0	0	0
Perak	199,810	0	0	0	1,149,740	325,480	122,229	0	73,761	1,871,020
Selangor	0	0	0	0	0	0	0	0	0	0
Negeri Sembilan	0	0	0	0	0	0	0	0	0	0
Melaka/ <i>Malacca</i>	0	0	0	0	0	410,000	68,000	0	0	478,000
Johor/ <i>Johore</i>	0	0	0	0	0	200,000	808,000	0	104,000	1,112,000
Pahang	151,150	0	0	900	0	580,300	0	0	713,273	1,445,623
Terengganu	0	0	0	0	0	300,000	500,000	0	100,000	900,000
Kelantan	0	0	0	319,000	74,000	274,000	523,500	30,000	70,000	1,290,500
Sarawak	834,589	239,474	0	0	0	539,168	359,149	553,549	0	2,525,929
Sabah	20,046	0	407,079	0	0	1,238,524	676	0	1,012,507	2,678,832
Jumlah/Total	1,205,595	239,474	407,079	319,900	1,223,740	4,137,472	3,901,554	583,549	2,103,541	14,121,904