DAFTAR PUSTAKA

Adrim M, Hutagalung HP, Effendi L. 1988. Ikan Tambak Dan Habitatnya. Pusat Penelitian Dan Pengembangan Oseanologi–LIPI. Jakarta.

Ahmad, T., & U. (1997). Bigfin squid cultur: the Indonesian experience. Phuket Marine Biological Center Publication, 1(17), 285–287.

Arslan, M. and Aras, M. N. 2007. *Structur and reproductive characteristics of two brown trout (Salmo trutta) populations in the Coruh River Basin, North Eastem Anatolia Turkey.* Turk J. Zool. 31 : 185-192

Azis. K.A. 1989. *Dinamika populasi ikan.* Bahan Pengajaran Departemen Pendidikan dan Kebudayaan. Direktorat Jendral Pendidikan Tinggi Pusat Antar Universitas Ilmu Hayati. IPB. Bogor

Ball, D. V. and Rao, K. V. *Marine Fisheries.* McGraw Hill Publishing Company United. New Delhi. 470 p

Blanchard, J.L., Dulvy, N. K., Jennengs, S., Ellis, J. R., Pinnegar, J.K., Tidd, A., & Kell, L. T. 2005. Do climate and fishing influence size-based indicators of Celtic Sea Fish Community Structure. ICES Journal of Marine Science, 62 : 405e.

Buwono, N.R., Fariedah, F., & Anestyaningrum, R.E. 2017. Komunitas ikan di Sungai Jerowan Kabupaten Madiun. IJournal of Aquaculture and Fish Health 6(2) : 81-87.

Dankwa, H. R., J. Blay, Jr, dan K. Yankson. 2005. Food and feeding habits of grey mullets (Pisces : Mugilidae) in Two Estuaries in Ghana. Universitas of Cape Coast. Cape Coast. Ghana.

Dinas Kelautan dan Perikanan Kabupaten Pangkajene dan Kepulauan. 2021. Data Base Potensi Perikanan Tangkap

Djumanto, Gustiana, M., & Setyabudi, E. 2015. Dinamika Populasi ikan belanak, *Chelon subviridis* (Valenciennes, 1836) di muara Sungai Opak-Yogyakarta. *Journal Iktiologi Indonesia* 15(1) : 13-24.

Effendie. M. I. 1979. Metode Biologi Perikanan. Yayasan Dewi Sri, Bogor.

Effendie, M. I. 1997. Biologi Perikanan. Yayasan Pustaka Nusantama. Jogjakarta

Effendie, M. I. 2002. Metode Biologi Perikanan. Yayasan Agromedia

Eme. J., Dabruzzi, T. F & Bennett, W.A. 2011. Thermal responses of juvenile squaretail ,iliet (*Liza vaigiensis)* and juvenile crestent terapon (*Terapon jarbua)* acclimated at near-lethal temperatures, and the implication for climent change *Journal of Experimental Marine Biology & Ecology* 399(1) : 35-38.

Everhart, W. H., & Youngs, W. D. (1975). Principles of Fishery Science

Facher, W & Bianchi, G. (eds.) 1984. FAO Species Identification Sheets for Fishery Purposes. Wastem Indian Ocean (Fishing Area 51). Volume 3. FAO, Rome.

FAO, 1974. FAO Species Identification Guide for Fishery Purposes, Vol 3 : Eastern Indian Ocean - Fishing Area 57 and Western Central Pacific - Fishing Area 71. Rome, 1974. edited by W. Fische and P.J.P. Whitehead

FAO, 2005. *Fishery Statistics.,* available online at http://www.fao.org/3/a-a1165t.pdf

Firhansyah. 2005. Pola Kebiasaan Makanan (Food Habits) Famili Mugilidae yang Tertangkap dengan Pukat Pantai (Beach Seine) di Muara Sungai Hanyar Desa Takisung Kecamatan Takisung Kabupaten Tanah Laut Provinsi Kalimantan Selatan. [Skripsi]. Universitas PGRI Ronggolawe. Tuban. Hal 45.

Fraga, E., Schneider, H., Santa-Brigida, E., Rodrigues-Filho, L.F., & Sampaio, I, 2007. Molecular phylogenetic analyses of mullets (Mugilidae, Mugiliformes) based on two mitochondrial genes, *Journal of Applied Ichthyology* 23(5) 598-604

Froese, R. and D. Pauly. (eds.). 2017. *Ellochelon vaigiensis* in Fishbase.

Fujaya, Y. 2002. Fisiologi Ikan. Proyek Peningkatan Penelitian Pendidikan Tinggi Direktorat Jendral Pendidikan Tinggi Departemen Pendidikan Nasional

Gulland, J. A. 1983. Fish Stock Assesment A Manual of Basic Methocls. Willey

Hawa, A. M. 2002. Pengelolaan Sumberdaya Perikanan Laut. Yogyakarta (Id) : Gadjah Mada University Press

Jannah, M.R. 2001. Beberapa Aspek Biologi Reproduksi Ikan Belanak Mugil dussumieri di Perairan Ujung Pangkah Gresik, Jawa Timur. [Tesis]. Fakultas Perikanan dan Ilmu Kelautan IPB. Bogor.

Jobling, M. 1995. *Environmental Biology of Fishes. Chapman and Hall.* London

King, M. 1995. Fisheries Biologi, Assesment and Management. Fishing News Book

King, M. 2006. Fisheries Biology, Assesment and Management. Fishing New Books. Blackwe Science: Oxford England

Kriswantoro, M. dan Y. A. Sunyoto. 1986. Mengenal Ikan Laut. Tirta Raga Karya. Jakarta

Lagler, K. F, J. E. Bardach, R. P. Miller. dan M. Passino. 1977. Ichtiology. John Wiley and Sons, Inc. New York.

Makmur, S. (2007). Biologi Reproduksi Ikan Gabus (Channa striata)

Najamudin, Mallawa, A., Budimawan & Indar, M. Y. 2004. Pendugaan Ukuran Pertama Kali Matang Gonad Ikan Layang Deles (Decapterus Macrosoma Bleeker). Program Pasca Sarjana. J Sains Dan Teknologi, Fakultas Ilmu Kelauatan Dan Perikanan, Universitas Hasanudin,. Makasar. April 2004, Vol. 4 No.1:1-8.ISSN1411-4674

Nash, C.E., Shehadeh, Z.H. 1980. Review of breeding and propagation techniques for grey muliet, *Mugil cephelus L. International Center For Living Aquatic Resources Management.* Penang. Malaysia.

Nasution, S. H. 2008. *Ekobiologi Dan Dinamika Stok Sebagai Dasar Pengelolaan Ikan Endemic Bonti-Bonti (Pharaterina Striata Aurich) Di Danau Towuti, Sulawesi Selatan.*

Nelson, J. S. *Fishes of the Word.* Fourth edition. Jonh Wiley &Sons, Hoboken, New Jersey.

Nikolsky, G.V. 1963. The Ecology of Fisheries. Translated from Russian by L. Barkett. Academic Press. London

Offem BO, Ayotunde EO, Ikpi GU. 2008. Dynamics in the reproductive of Heterobranchus longifisis Val, (Pisces:1840) in the welands of Cross River, Nigeria. Research Journal of Fisheries and Hydrobiology. 3(1) : 22- 33

Okfan, A., M. R. Musananfola., dan Djuwito. 2015. Studi Ekologi dan Aspek Biologi Ikan Belanak (Mugil Sp.) di Perairan Muara Sungai Banjar Kota Pekalongan. Diponegoro Journal of Maquarence. 4 (3) : 156-163.

Pauly, D. 1980. A Selection of Simple Methods for the Assesssments of Tropical Fish Stocks. FAO.

Purwanto, G., W. M. Bob., dan S. J. Bustama. 1986. Studi Pendahuluan Keadaan Reproduksi dan Perbandingan KelaminIkan Cakalang (Karsuwonus pelamis) di Perairan Sekitar Teluk Piru dan Elpaputih, Seram. Jurnal Penelitian Perikanan Laut. 346: 69-78.

Rahardjo, M. F. 2006. Biologi Reproduksi Ikan Blama Nibea saldado di Perairan Pantai Mayangan Jawa Barat. Ichthyos. 5 (2) : 63-68.

Rahmatin, A., Abdulgani, N., Aunurohim &Hidayati D. 2010. Studi variasi morfometrik ikanbelanak (*Mugik cephalus)* di Perairan muara alooo Sidoarjo dan Muara Wonorejo. Surabaya. *Digital Library Institut Teknologi Sepuluh November.*

Ratnaningsih, S. 2013. Biologi Reproduksi Ikan Belanak *Ellochelon vaigiensis* (Valenciennes, 1836) Di Perairan Karongsong, Indramayu. Institut Pertanian Bogor. Bogor

Reichard M, Jurajda, Simkova, Matejusova I. 2002. Size-Related Habitat Use by Bitterling (Rhodeussericeus) in a Regulated Lowland River. Ecology of Freshwater Fish 11:112–122.

Ricker, W. E. (1975). Computation and Interpretation of Biological Statistics of Fish Populations. Departement of Environment. Departement of Environment. Fisheries and Marine Service.

Sjafei, D. S., C. P. H. Simanjuntak, dan M. F. Rahardjo. 2008. Perkembangan Kematangan Gonad dan Tipe Pemijahan Ikan Selais (Ompok hypophthalmus) di Rawa Banjiran Sungai Kampar Kiri, Riau. Jurnal Iktiologi Indonesia. 8 (2).

Sparre, P. E., and S. C. V. (1999). Introduction to Tropical Fish Stock Assesment. Part 1-Manual. FAO Fish. Tech Pap.

Sulistiono., M. R. Jannah, dan Y. Ernawati. 2001. Reproduksi Ikan Belanak (*Mugil dussumieri)* di Perairan Ujung Pangkah, Jawa Timur. Jurnal Iktiologi Indonesia. 1(2) : 31 – 37 hal.

Tang, U. M. dan A. Raiman. 2001. Biologi Reproduksi Ikan. Pusat Penelitian Kawasan Pantai dan Perairan Universitas Riau. Pekanbaru. Halaman 153

Turan, C., Gurlek, M., Erguden, D., & Turan, F. 2004. General and morphometric structure of *Liza abu* (Heckel, 1843) populations from the rivers Orontes, Euphrates And Tigris. *Turkish Journal of Vetennary and Animal Sciences* 28(4) : 729-734.

Udupa, K. S. 1986. Statistical method of estimating the size at first maturity in fishes. Fishbyte. 4(2) : 8 – 10 hal.

Uslichah, U., dan Masrizal. 2005. Jurnal Analisis Isi Lambung Ikan Belanak (Mugil cephalus L.) Di Sungai Batang Kandis Kelurahan Sungai Bangek Kecamatan Koto Tengah Kota Padang. (V): 2-3

Walpole. 1995. Pengantar Statistika. Jakarta (ID). Gramedia Pustaka Utama.

Wigati, K. N. Pola Reproduksi dan Pemijahan Ikan Belanak (*Moolgarda engeli,* Bleeker 1858) di Pantai Mayangan Jawa Barat. Institut Pertanian Bogor.Bogor

Whilfied, A.K., Panfili, J,. & Durand, J. D. 2012. A global review of the cosmopolitan flathead muliet *Mugil cephalus* Linnaeus 1758 (Teleostei : Mugilidae), with emphasis on the biology, genetics, ecology and fisheries aspects of this apparent species complex. *Review in Fish Biology and Fisheries* 22(3) : 641-681.

LAMPIRAN

Lampiran 1. Analisis struktur ukuran ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)

Panjang kelas		TK	F	Betina	Jantan
140	160	150	1	1	0
160	180	170	6	3	3
180	200	190	31	12	19
200	220	210	42	11	31
220	240	230	52	20	32
240	260	250	43	21	22
260	280	270	43	10	33
280	300	290	37	17	20
300	320	310	33	13	20
320	340	330	27	13	14
340	360	350	16	6	10
360	380	370	4	1	3
380	400	390	8	4	4
400	420	410	1	0	1
420	440	430	1	0	1

Lampiran 2. Hasil uji T ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan dan betina

Group Statistics

Sex		N	Mean	Std. Deviation	Std. Error Mean
Tl	Jantan	217	258.0691	63.07660	4.28192
	Betina	134	259.4478	58.82836	5.08200

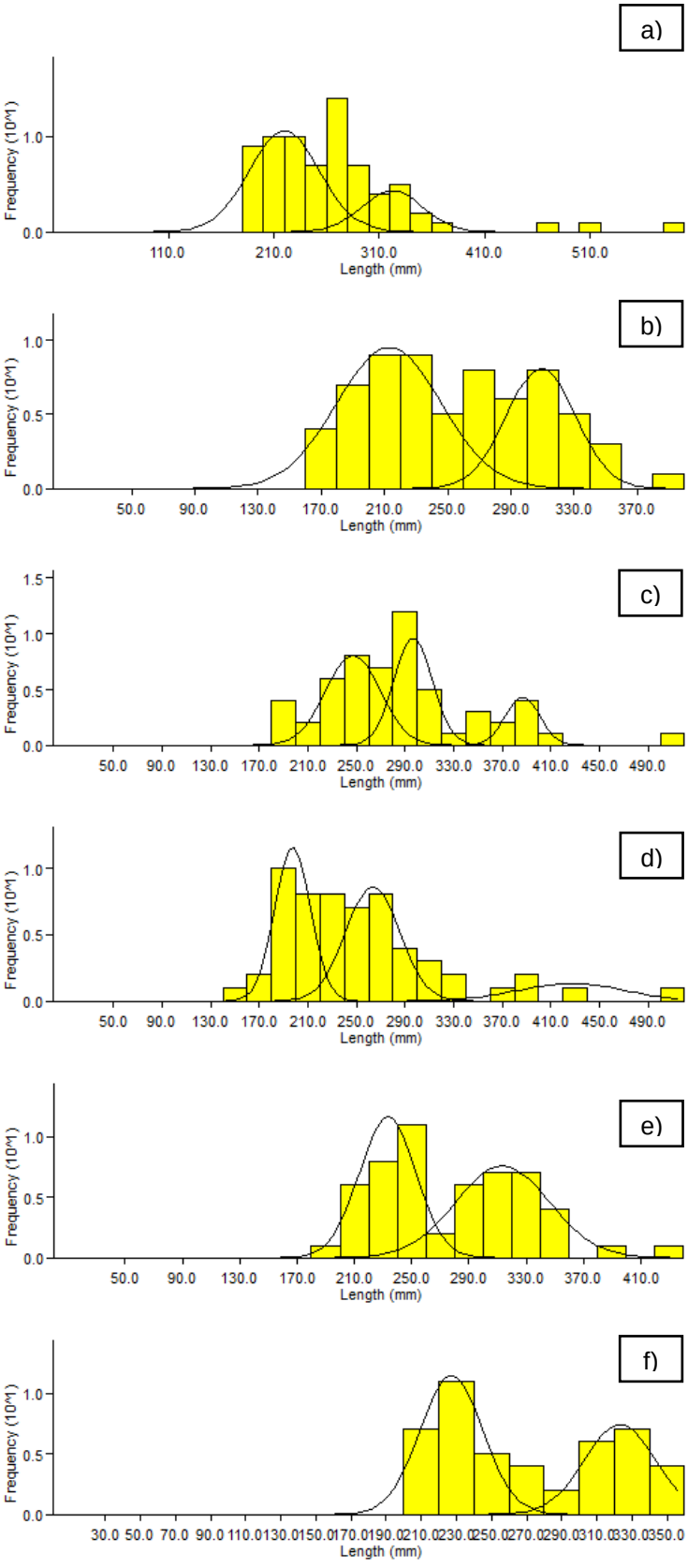
Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Tl	Equal variances assumed	0.000	0.984	-0.204	349	0.838	-1.37864	6.75603	-14.66630	11.90902
	Equal variances not assumed			-0.207	296.773	0.836	-1.37864	6.64541	-14.45674	11.69947

Lampiran 3. Analisis kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)

TK	Waktu pengambilan sampel (Bulan)					
	Juni	Juli	Agustus	September	Oktober	November
150				1		
170		4		2		
190	9	7	4	10	1	
210	10	9	2	8	6	7
230	10	9	6	8	8	11
250	7	5	8	7	11	5
270	14	8	7	8	2	4
290	7	6	12	4	6	2
310	4	8	5	3	7	6
330	5	5	1	2	7	7
350	2	3	3		4	4
370	1		2	1		
390		1	4	2	1	
410			1			
430				1		

Lampiran 4. Kurva histogram distribusi frekuensi panjang dan penentuan kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) a) Juni, b) Juli, c) Agustus, d) September, e) Oktober dan f) November



Lampiran 5. Kohort kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) bulan Juni

no.	Interval kelas	TK	F	FxTK	$TK - \bar{L}$	$(TK - \bar{L})^2$	$F(TK - \bar{L})^2$	$-(TK - \bar{L})^2/2S^2$	$EXP-(TK - \bar{L})^2/2S^2$	Fc	LnFc	ΔLnFc	TK+dL/2
1	140-160	150	0	0	-180.0000	32400.0000	0.00000	-0.1245	0.8829	0.070301594	-2.654960808	0.026137962	150.5
2	160-180	170	0	0	-160.0000	25600.00000	0	-0.0984	0.9063	0.07216336	-2.628822846	0.023062908	170.5
3	180-200	190	9	1710	-140.0000	19600.00000	176400	-0.0753	0.9274	0.073846997	-2.605759938	0.019987854	190.5
4	200-220	210	10	2100	-120.0000	14400.00000	144000	-0.0554	0.9462	0.07533789	-2.585772085	0.016912799	210.5
5	220-240	230	10	2300	-100.0000	10000.00000	100000	-0.0384	0.9623	0.0766229	-2.568859286	0.013837745	230.5
6	240-260	250	7	1750	-80.0000	6400.00000	44800	-0.0246	0.9757	0.077690559	-2.555021541	0.01076269	250.5
7	260-280	270	14	3780	-60.0000	3600.00000	50400	-0.0138	0.9863	0.078531234	-2.54425885	0.007687636	270.5
8	280-300	290	7	2030	-40.0000	1600.00000	11200	-0.0062	0.9939	0.07913728	-2.536571214	0.004612582	290.5
9	300-320	310	4	1240	-20.0000	400.00000	1600	-0.0015	0.9985	0.07950315	-2.531958633	0.001537527	310.5
10	320-340	330	5	1650	0.0000	0.00000	0	0.0000	1.0000	0.079625482	-2.530421106	-0.001537527	330.5
11	340-260	350	2	700	20.0000	400.00000	800	-0.0015	0.9985	0.07950315	-2.531958633	-0.004612582	350.5
12	360-280	370	1	370	40.0000	1600.00000	1600	-0.0062	0.9939	0.07913728	-2.536571214	-0.007687636	370.5
13	380-400	390	0	0	60.0000	3600.00000	0	-0.0138	0.9863	0.078531234	-2.54425885	-0.01076269	390.5
14	400-420	410	0	0	80.0000	6400.00000	0	-0.0246	0.9757	0.077690559	-2.555021541	-0.013837745	410.5
15	420-440	430	0	0	100.0000	10000.00000	0	-0.0384	0.9623	0.0766229	-2.568859286	-0.016912799	430.5
16	440-460	450	0	0	120.0000	14400.00000	0	-0.0554	0.9462	0.07533789	-2.585772085	-0.019987854	450.5
17	460-480	470	1	470	140.0000	19600.00000	19600	-0.0753	0.9274	0.073846997	-2.605759938	-0.023062908	470.5
18	480-500	490	0	0	160.0000	25600.00000	0	-0.0984	0.9063	0.07216336	-2.628822846	-0.026137962	490.5
19	500-520	510	1	510	180.0000	32400.00000	32400	-0.1245	0.8829	0.070301594	-2.654960808	-0.029213017	510.5
20	520-540	530	0	0	200.0000	40000.00000	0	-0.1538	0.8575	0.06827758	-2.684173825	-0.032288071	530.5
21	540-560	550	0	0	220.0000	48400.00000	0	-0.1860	0.8302	0.066108239	-2.716461896	-0.035363125	550.5
22	560-580	570	0	0	240.0000	57600.00000	0	-0.2214	0.8014	0.063811298	-2.751825022	-0.03843818	570.5
23	580-600	590	1	590	260.0000	67600.00000	67600	-0.25984	0.7712	0.06140505	-2.790263202	2.790263202	590.5

Lampiran 6 Kohort kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) bulan Juli

no.	Interval kelas	TK	F	FxTK	$TK - \bar{L}$	$(TK - \bar{L})^2$	$F(TK - \bar{L})^2$	$-(TK - \bar{L})^2/2S^2$	$EXP-(TK - \bar{L})^2/2S^2$	Fc	LnFc	ΔLnFc	TK+dL/2
1	140-160	150		0	-180.0000	32400.0000	0.00000	-0.1507	0.8601	0.068007737	-2.688133808	0.031622318	150.5
2	160-180	170	4	680	-160.0000	25600.00000	102400	-0.1190	0.8878	0.070192663	-2.65651149	0.027902045	170.5
3	180-200	190	7	1330	-140.0000	19600.00000	137200	-0.0911	0.9129	0.072178761	-2.628609445	0.024181773	190.5
4	200-220	210	9	1890	-120.0000	14400.00000	129600	-0.0670	0.9352	0.073945446	-2.604427672	0.0204615	210.5
5	220-240	230	9	2070	-100.0000	10000.00000	90000	-0.0465	0.9546	0.075474066	-2.583966172	0.016741227	230.5
6	240-260	250	5	1250	-80.0000	6400.00000	32000	-0.0298	0.9707	0.076748231	-2.567224945	0.013020954	250.5
7	260-280	270	8	2160	-60.0000	3600.00000	28800	-0.0167	0.9834	0.0777541	-2.554203991	0.009300682	270.5
8	280-300	290	6	1740	-40.0000	1600.00000	9600	-0.0074	0.9926	0.07848064	-2.544903309	0.005580409	290.5
9	300-320	310	8	2480	-20.0000	400.00000	3200	-0.0019	0.9981	0.078919818	-2.5393229	0.001860136	310.5
10	320-340	330	5	1650	0.0000	0.00000	0	0.0000	1.0000	0.079066757	-2.537462764	-0.001860136	330.5
11	340-260	350	3	1050	20.0000	400.00000	1200	-0.0019	0.9981	0.078919818	-2.5393229	-0.005580409	350.5
12	360-280	370		0	40.0000	1600.00000	0	-0.0074	0.9926	0.07848064	-2.544903309	-0.009300682	370.5
13	380-400	390	1	390	60.0000	3600.00000	3600	-0.0167	0.9834	0.0777541	-2.554203991	-0.013020954	390.5
14	400-420	410		0	80.0000	6400.00000	0	-0.0298	0.9707	0.076748231	-2.567224945	-0.016741227	410.5
15	420-440	430		0	100.0000	10000.00000	0	-0.0465	0.9546	0.075474066	-2.583966172	-0.0204615	430.5
16	440-460	450		0	120.0000	14400.00000	0	-0.0670	0.9352	0.073945446	-2.604427672	-0.024181773	450.5
17	460-480	470		0	140.0000	19600.00000	0	-0.0911	0.9129	0.072178761	-2.628609445	-0.027902045	470.5
18	480-500	490		0	160.0000	25600.00000	0	-0.1190	0.8878	0.070192663	-2.65651149	-0.031622318	490.5
19	500-520	510		0	180.0000	32400.00000	0	-0.1507	0.8601	0.068007737	-2.688133808	-0.035342591	510.5
20	520-540	530		0	200.0000	40000.00000	0	-0.1860	0.8303	0.065646145	-2.723476399	-0.039062863	530.5
21	540-560	550		0	220.0000	48400.00000	0	-0.2251	0.7985	0.063131258	-2.762539262	-0.042783136	550.5
22	560-580	570		0	240.0000	57600.00000	0	-0.2679	0.7650	0.060487267	-2.805322398	-0.046503409	570.5
23	580-600	590		0	260.0000	67600.00000	0	-0.31436	0.7303	0.057738805	-2.851825807	2.851825807	590.5

Lampiran 7 Kohort kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) bulan Agustus

no.	Interval kelas	TK	F	FxTK	$TK - \bar{L}$	$(TK - \bar{L})^2$	$F(TK - \bar{L})^2$	$-(TK - \bar{L})^2/2S^2$	$EXP-(TK - \bar{L})^2/2S^2$	Fc	LnFc	ΔLnFc	TK+dL/2
1	140-160	150		0	-180.0000	32400.0000	0.00000	-0.0502	0.9510	0.037410353	-3.285807804	0.010545938	150.5
2	160-180	170		0	-160.0000	25600.00000	0	-0.0397	0.9611	0.037806968	-3.275261866	0.00930524	170.5
3	180-200	190	4	760	-140.0000	19600.00000	78400	-0.0304	0.9701	0.038160412	-3.265956626	0.008064541	190.5
4	200-220	210	2	420	-120.0000	14400.00000	28800	-0.0223	0.9779	0.038469403	-3.257892085	0.006823843	210.5
5	220-240	230	6	1380	-100.0000	10000.00000	60000	-0.0155	0.9846	0.03873281	-3.251068242	0.005583144	230.5
6	240-260	250	8	2000	-80.0000	6400.00000	51200	-0.0099	0.9901	0.038949665	-3.245485098	0.004342445	250.5
7	260-280	270	7	1890	-60.0000	3600.00000	25200	-0.0056	0.9944	0.03911917	-3.241142653	0.003101747	270.5
8	280-300	290	12	3480	-40.0000	1600.00000	19200	-0.0025	0.9975	0.039240696	-3.238040907	0.001861048	290.5
9	300-320	310	5	1550	-20.0000	400.00000	2000	-0.0006	0.9994	0.039313793	-3.236179859	0.000620349	310.5
10	320-340	330	1	330	0.0000	0.00000	0	0.0000	1.0000	0.039338189	-3.235559509	-0.000620349	330.5
11	340-260	350	3	1050	20.0000	400.00000	1200	-0.0006	0.9994	0.039313793	-3.236179859	-0.001861048	350.5
12	360-280	370	2	740	40.0000	1600.00000	3200	-0.0025	0.9975	0.039240696	-3.238040907	-0.003101747	370.5
13	380-400	390	4	1560	60.0000	3600.00000	14400	-0.0056	0.9944	0.03911917	-3.241142653	-0.004342445	390.5
14	400-420	410	1	410	80.0000	6400.00000	6400	-0.0099	0.9901	0.038949665	-3.245485098	-0.005583144	410.5
15	420-440	430		0	100.0000	10000.00000	0	-0.0155	0.9846	0.03873281	-3.251068242	-0.006823843	430.5
16	440-460	450		0	120.0000	14400.00000	0	-0.0223	0.9779	0.038469403	-3.257892085	-0.008064541	450.5
17	460-480	470		0	140.0000	19600.00000	0	-0.0304	0.9701	0.038160412	-3.265956626	-0.00930524	470.5
18	480-500	490		0	160.0000	25600.00000	0	-0.0397	0.9611	0.037806968	-3.275261866	-0.010545938	490.5
19	500-520	510	1	510	180.0000	32400.00000	32400	-0.0502	0.9510	0.037410353	-3.285807804	-0.011786637	510.5
20	520-540	530		0	200.0000	40000.00000	0	-0.0620	0.9399	0.036971999	-3.297594441	-0.013027336	530.5
21	540-560	550		0	220.0000	48400.00000	0	-0.0751	0.9277	0.036493476	-3.310621777	-0.014268034	550.5
22	560-580	570		0	240.0000	57600.00000	0	-0.0893	0.9145	0.035976483	-3.324889811	-0.015508733	570.5
23	580-600	590		0	260.0000	67600.00000	0	-0.10484	0.9005	0.035422837	-3.340398544	3.340398544	590.5

Lampiran 8. Kohort kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) bulan September

no.	Interval kelas	TK	F	FxTK	$TK - \bar{L}$	$(TK - \bar{L})^2$	$F(TK - \bar{L})^2$	$-(TK - \bar{L})^2/2S^2$	$EXP-(TK - \bar{L})^2/2S^2$	Fc	LnFc	ΔLnFc	TK+dL/2
1	140-160	150	1	150	-180.0000	32400.0000	32400.00000	-0.0534	0.9480	0.039804036	-3.22378697	0.011198983	150.5
2	160-180	170	2	340	-160.0000	25600.00000	51200	-0.0422	0.9587	0.040252306	-3.212587988	0.009881455	170.5
3	180-200	190	10	1900	-140.0000	19600.00000	196000	-0.0323	0.9682	0.040652029	-3.202706532	0.008563928	190.5
4	200-220	210	8	1680	-120.0000	14400.00000	115200	-0.0237	0.9766	0.041001665	-3.194142604	0.007246401	210.5
5	220-240	230	8	1840	-100.0000	10000.00000	80000	-0.0165	0.9837	0.041299859	-3.186896203	0.005928873	230.5
6	240-260	250	7	1750	-80.0000	6400.00000	44800	-0.0105	0.9895	0.041545448	-3.18096733	0.004611346	250.5
7	260-280	270	8	2160	-60.0000	3600.00000	28800	-0.0059	0.9941	0.04173747	-3.176355984	0.003293818	270.5
8	280-300	290	4	1160	-40.0000	1600.00000	6400	-0.0026	0.9974	0.041875173	-3.173062166	0.001976291	290.5
9	300-320	310	3	930	-20.0000	400.00000	1200	-0.0007	0.9993	0.041958012	-3.171085875	0.000658764	310.5
10	320-340	330	2	660	0.0000	0.00000	0	0.0000	1.0000	0.041985662	-3.170427111	-0.000658764	330.5
11	340-260	350		0	20.0000	400.00000	0	-0.0007	0.9993	0.041958012	-3.171085875	-0.001976291	350.5
12	360-280	370	1	370	40.0000	1600.00000	1600	-0.0026	0.9974	0.041875173	-3.173062166	-0.003293818	370.5
13	380-400	390	2	780	60.0000	3600.00000	7200	-0.0059	0.9941	0.04173747	-3.176355984	-0.004611346	390.5
14	400-420	410		0	80.0000	6400.00000	0	-0.0105	0.9895	0.041545448	-3.18096733	-0.005928873	410.5
15	420-440	430	1	430	100.0000	10000.00000	10000	-0.0165	0.9837	0.041299859	-3.186896203	-0.007246401	430.5
16	440-460	450		0	120.0000	14400.00000	0	-0.0237	0.9766	0.041001665	-3.194142604	-0.008563928	450.5
17	460-480	470		0	140.0000	19600.00000	0	-0.0323	0.9682	0.040652029	-3.202706532	-0.009881455	470.5
18	480-500	490		0	160.0000	25600.00000	0	-0.0422	0.9587	0.040252306	-3.212587988	-0.011198983	490.5
19	500-520	510	1	510	180.0000	32400.00000	32400	-0.0534	0.9480	0.039804036	-3.22378697	-0.01251651	510.5
20	520-540	530		0	200.0000	40000.00000	0	-0.0659	0.9362	0.039308933	-3.236303481	-0.013834038	530.5
21	540-560	550		0	220.0000	48400.00000	0	-0.0797	0.9234	0.038768876	-3.250137518	-0.015151565	550.5
22	560-580	570		0	240.0000	57600.00000	0	-0.0949	0.9095	0.038185895	-3.265289083	-0.016469092	570.5
23	580-600	590		0	260.0000	67600.00000	0	-0.11133	0.8946	0.037562158	-3.281758176	3.281758176	590.5

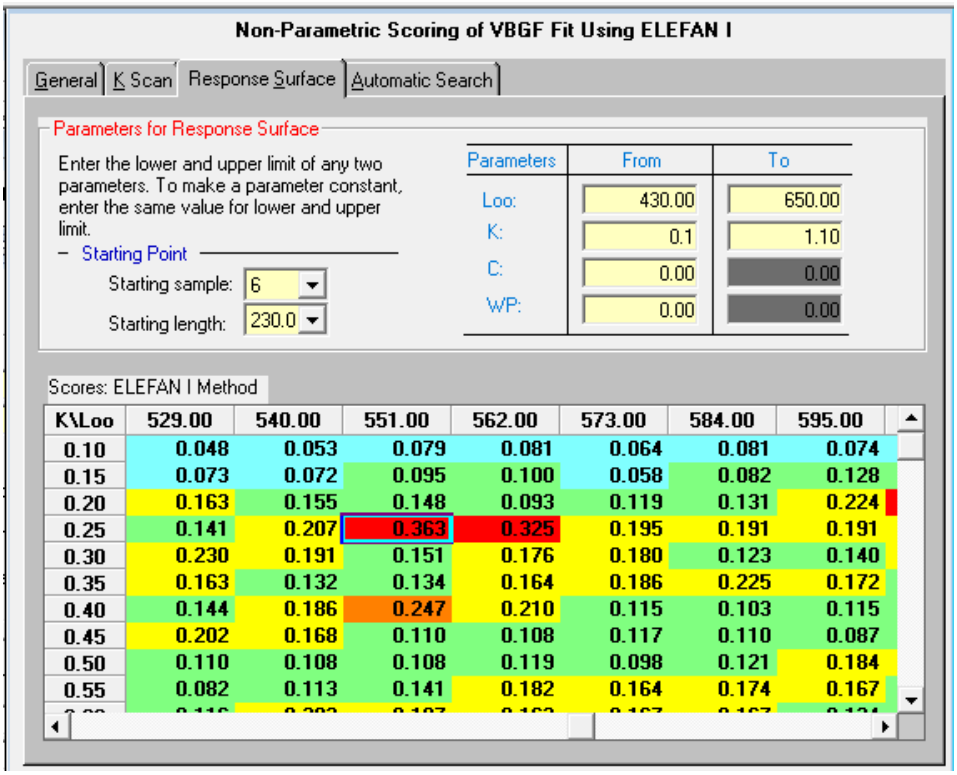
Lampiran 9. Kohort kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) bulan Oktober

no.	Interval kelas	TK	F	FxTK	$TK - \bar{L}$	$(TK - \bar{L})^2$	$F(TK - \bar{L})^2$	$-(TK - \bar{L})^2/2S^2$	$EXP-(TK - \bar{L})^2/2S^2$	Fc	LnFc	ΔLnFc	TK+dL/2
1	140-160	150		0	-180.0000	32400.0000	0.00000	-0.3894	0.6774	0.071539703	-2.637502702	0.081732734	150.5
2	160-180	170		0	-160.0000	25600.00000	0	-0.3077	0.7351	0.077632435	-2.555769968	0.072117118	170.5
3	180-200	190	1	190	-140.0000	19600.00000	19600	-0.2356	0.7901	0.083437882	-2.483652849	0.062501502	190.5
4	200-220	210	6	1260	-120.0000	14400.00000	86400	-0.1731	0.8411	0.088819297	-2.421151347	0.052885887	210.5
5	220-240	230	8	1840	-100.0000	10000.00000	80000	-0.1202	0.8867	0.093643013	-2.36826546	0.043270271	230.5
6	240-260	250	11	2750	-80.0000	6400.00000	70400	-0.0769	0.9260	0.097783914	-2.324995189	0.033654655	250.5
7	260-280	270	2	540	-60.0000	3600.00000	7200	-0.0433	0.9577	0.101130802	-2.291340534	0.024039039	270.5
8	280-300	290	6	1740	-40.0000	1600.00000	9600	-0.0192	0.9810	0.103591345	-2.267301495	0.014423424	290.5
9	300-320	310	7	2170	-20.0000	400.00000	2800	-0.0048	0.9952	0.105096314	-2.252878071	0.004807808	310.5
10	320-340	330	7	2310	0.0000	0.00000	0	0.0000	1.0000	0.105602814	-2.248070263	-0.004807808	330.5
11	340-260	350	4	1400	20.0000	400.00000	1600	-0.0048	0.9952	0.105096314	-2.252878071	-0.014423424	350.5
12	360-280	370		0	40.0000	1600.00000	0	-0.0192	0.9810	0.103591345	-2.267301495	-0.024039039	370.5
13	380-400	390	1	390	60.0000	3600.00000	3600	-0.0433	0.9577	0.101130802	-2.291340534	-0.033654655	390.5
14	400-420	410		0	80.0000	6400.00000	0	-0.0769	0.9260	0.097783914	-2.324995189	-0.043270271	410.5
15	420-440	430	1	430	100.0000	10000.00000	10000	-0.1202	0.8867	0.093643013	-2.36826546	-0.052885887	430.5
16	440-460	450		0	120.0000	14400.00000	0	-0.1731	0.8411	0.088819297	-2.421151347	-0.062501502	450.5
17	460-480	470		0	140.0000	19600.00000	0	-0.2356	0.7901	0.083437882	-2.483652849	-0.072117118	470.5
18	480-500	490		0	160.0000	25600.00000	0	-0.3077	0.7351	0.077632435	-2.555769968	-0.081732734	490.5
19	500-520	510		0	180.0000	32400.00000	0	-0.3894	0.6774	0.071539703	-2.637502702	-0.09134835	510.5
20	520-540	530		0	200.0000	40000.00000	0	-0.4808	0.6183	0.065294266	-2.728851051	-0.100963965	530.5
21	540-560	550		0	220.0000	48400.00000	0	-0.5817	0.5589	0.059023771	-2.829815017	-0.110579581	550.5
22	560-580	570		0	240.0000	57600.00000	0	-0.6923	0.5004	0.052844872	-2.940394598	-0.120195197	570.5
23	580-600	590		0	260.0000	67600.00000	0	-0.81252	0.4437	0.046860049	-3.060589795	3.060589795	590.5

Lampiran 10. Kohort kelompok umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) bulan November

no.	Interval kelas	TK	F	FxTK	$TK - \bar{L}$	$(TK - \bar{L})^2$	$F(TK - \bar{L})^2$	$-(TK - \bar{L})^2/2S^2$	$EXP-(TK - \bar{L})^2/2S^2$	Fc	LnFc	ΔLnFc	TK+dL/2
1	140-160	150		0	-180.0000	32400.0000	0.00000	-0.4289	0.6512	0.061479896	-2.789045059	0.090017512	150.5
2	160-180	170		0	-160.0000	25600.00000	0	-0.3389	0.7126	0.067270899	-2.699027547	0.079427216	170.5
3	180-200	190		0	-140.0000	19600.00000	0	-0.2595	0.7715	0.072831966	-2.619600331	0.068836921	190.5
4	200-220	210	7	1470	-120.0000	14400.00000	100800	-0.1906	0.8264	0.07802208	-2.55076341	0.058246625	210.5
5	220-240	230	11	2530	-100.0000	10000.00000	110000	-0.1324	0.8760	0.082701562	-2.492516785	0.04765633	230.5
6	240-260	250	5	1250	-80.0000	6400.00000	32000	-0.0847	0.9188	0.086738238	-2.444860455	0.037066034	250.5
7	260-280	270	4	1080	-60.0000	3600.00000	14400	-0.0477	0.9535	0.090013608	-2.407794421	0.026475739	270.5
8	280-300	290	2	580	-40.0000	1600.00000	3200	-0.0212	0.9790	0.092428613	-2.381318682	0.015885443	290.5
9	300-320	310	6	1860	-20.0000	400.00000	2400	-0.0053	0.9947	0.093908607	-2.365433239	0.005295148	310.5
10	320-340	330	7	2310	0.0000	0.00000	0	0.0000	1.0000	0.094407186	-2.360138091	-0.005295148	330.5
11	340-260	350	4	1400	20.0000	400.00000	1600	-0.0053	0.9947	0.093908607	-2.365433239	-0.015885443	350.5
12	360-280	370		0	40.0000	1600.00000	0	-0.0212	0.9790	0.092428613	-2.381318682	-0.026475739	370.5
13	380-400	390		0	60.0000	3600.00000	0	-0.0477	0.9535	0.090013608	-2.407794421	-0.037066034	390.5
14	400-420	410		0	80.0000	6400.00000	0	-0.0847	0.9188	0.086738238	-2.444860455	-0.04765633	410.5
15	420-440	430		0	100.0000	10000.00000	0	-0.1324	0.8760	0.082701562	-2.492516785	-0.058246625	430.5
16	440-460	450		0	120.0000	14400.00000	0	-0.1906	0.8264	0.07802208	-2.55076341	-0.068836921	450.5
17	460-480	470		0	140.0000	19600.00000	0	-0.2595	0.7715	0.072831966	-2.619600331	-0.079427216	470.5
18	480-500	490		0	160.0000	25600.00000	0	-0.3389	0.7126	0.067270899	-2.699027547	-0.090017512	490.5
19	500-520	510		0	180.0000	32400.00000	0	-0.4289	0.6512	0.061479896	-2.789045059	-0.100607807	510.5
20	520-540	530		0	200.0000	40000.00000	0	-0.5295	0.5889	0.055595508	-2.889652866	-0.111198103	530.5
21	540-560	550		0	220.0000	48400.00000	0	-0.6407	0.5269	0.049744719	-3.000850969	-0.121788398	550.5
22	560-580	570		0	240.0000	57600.00000	0	-0.7625	0.4665	0.044040775	-3.122639367	-0.132378694	570.5
23	580-600	590		0	260.0000	67600.00000	0	-0.89488	0.4087	0.038580124	-3.255018061	3.255018061	590.5

Lampiran 11. Penentuan nilai (K), (L∞) dan perhitungan t0 ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)



K\Loo	529.00	540.00	551.00	562.00	573.00	584.00	595.00
0.10	0.048	0.053	0.079	0.081	0.064	0.081	0.074
0.15	0.073	0.072	0.095	0.100	0.058	0.082	0.128
0.20	0.163	0.155	0.148	0.093	0.119	0.131	0.224
0.25	0.141	0.207	0.363	0.325	0.195	0.191	0.191
0.30	0.230	0.191	0.151	0.176	0.180	0.123	0.140
0.35	0.163	0.132	0.134	0.164	0.186	0.225	0.172
0.40	0.144	0.186	0.247	0.210	0.115	0.103	0.115
0.45	0.202	0.168	0.110	0.108	0.117	0.110	0.087
0.50	0.110	0.108	0.108	0.119	0.098	0.121	0.184
0.55	0.082	0.113	0.141	0.182	0.164	0.174	0.167

L∞ = 551 K = 0.25

Log (t_0) = -0.3922-0.2752*LOG(L∞)-1.038*LOG(K)

Log (t_0) = -0.3922-0.2752*LOG(551)-1.038*LOG(0.25)

Log (t_0) = -0.5216

min t_0 = -0.3009

t_0 =-0.3009

Lt = Loo*(1-exp-K*(t-t0))

Lt = 551*(1-exp-0.25*(t+0.3008))

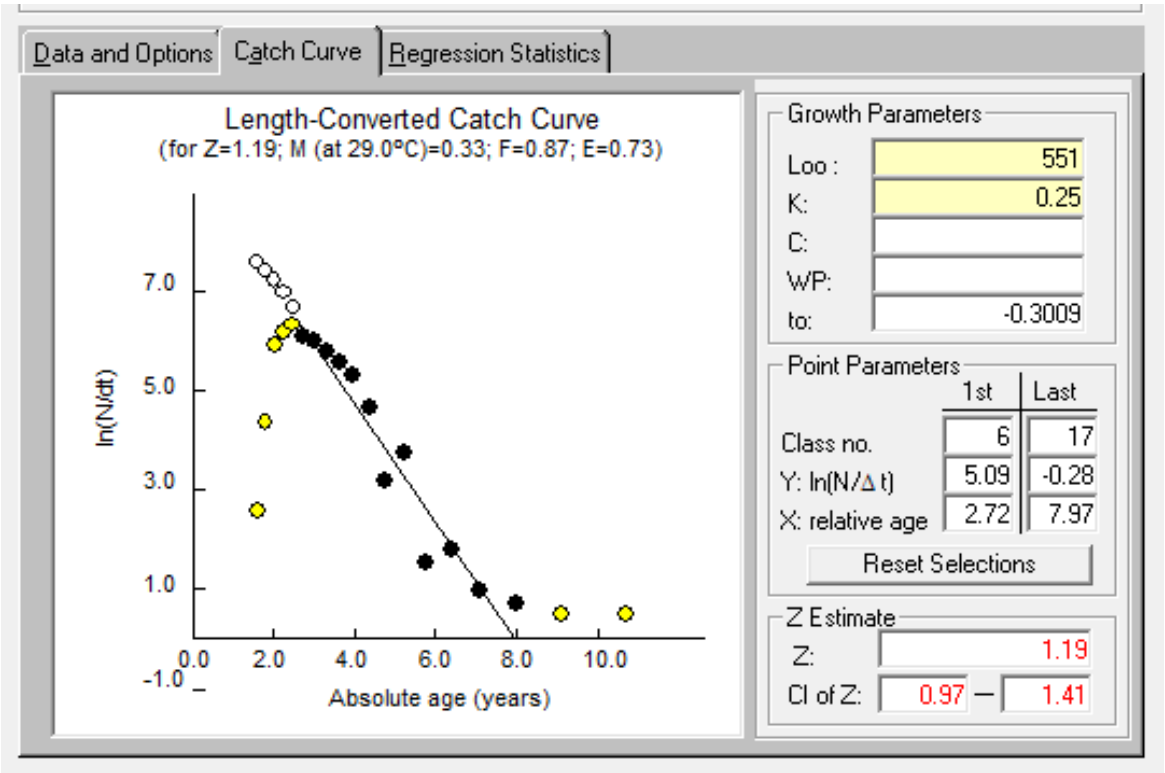
Lt = 0

Lampiran 12. Hubungan antara panjang dan tingkat umur ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)

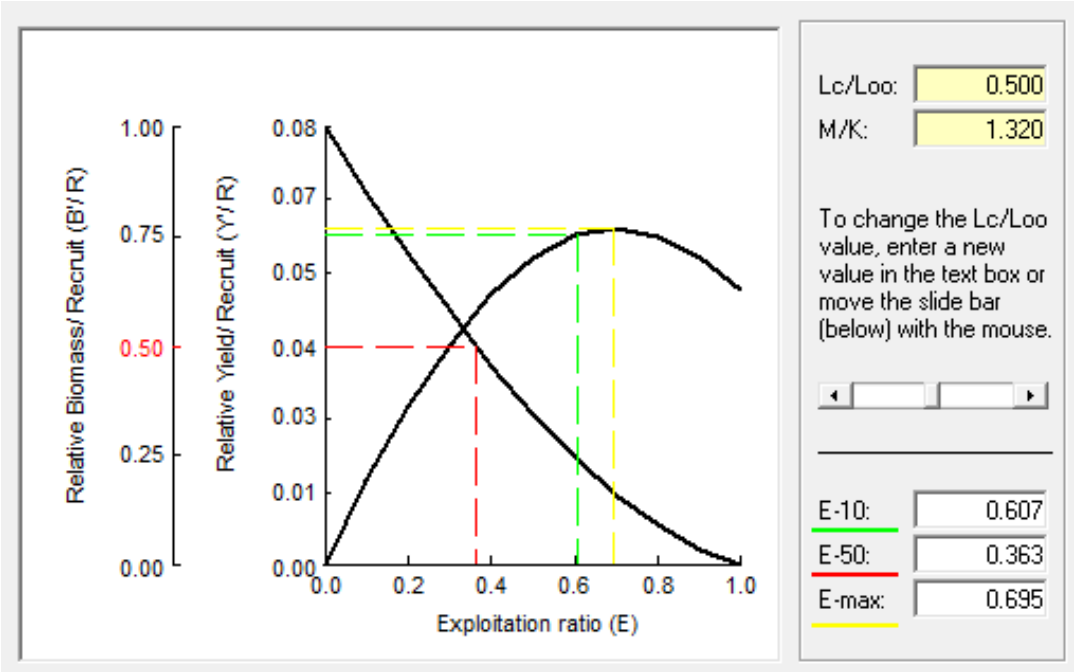
t	Lt

0.3009	0
0	39.9283
1	152.9770
2	241.0194
3	309.5868
4	362.9872
5	404.5755
6	436.9645
7	462.1891
8	481.8340
9	497.1334
10	509.0487
11	518.3283
12	525.5552
13	531.1836
14	535.5670
15	538.9807
16	541.6394
17	543.7100
18	545.3225
19	546.5784
20	547.5564
21	548.3181
22	548.9114
23	549.3734
24	549.7332
25	550.0134
26	550.2316
27	550.4016
28	550.5340
29	550.6370
30	550.7173
31	550.7799
32	550.8286
33	550.8665
34	550.8960
35	550.9190
36	550.9369
37	550.9509
38	550.9617
39	550.9702
40	550.9768
41	550.9819
42	550.9859
43	550.9890
44	550.9915
45	550.9934
46	550.9948
47	550.9960
48	550.9969
49	550.9976
50	550.9981
51	550.9985
52	550.9988
53	550.9991
54	550.9993
55	550.9995
56	550.9996
57	550.9997
58	550.9997
59	550.9998
60	550.9998
61	550.9999
62	550.9999
63	550.9999
64	550.9999
65	551

Lampiran 13. Perhitungan laju mortalitas dan laju eksploitasi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)



Lampiran 14. Grafik *yield per recruitment* ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)



Lampiran 15. Uji chi-square nisbah kelamin ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
jenis kelamin * waktu	351	100.0%	0	0.0%	351	100.0%

jenis kelamin * waktu Crosstabulation

Count

		waktu						
		juni	juli	agustus	september	oktober	november	Total
jenis kelamin	jantan	50	43	33	34	30	27	217
	betina	22	22	23	24	24	19	134
Total		72	65	56	58	54	46	351

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.829[a]	5	.574
Likelihood Ratio	3.870	5	.568
Linear-by-Linear Association	2.974	1	.085
N of Valid Cases	351		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 17.56.

Lampiran 16. Frekuensi (%) tingkat kematangan gonad ikan belanak ekor tegak*, Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan dan betina berdasarkan waktu pengambilan sampel

TKG	Juni(%)		Juli(%)		Agustus(%)		September(%)		Oktober(%)		November(%)	
	Jantan	Betina	Jantan	Betina	Jantan	Betina	Jantan	Betina	Jantan	Betina	Jantan	Betina
I	82	95	56	100	82	83	82	87	77	75	78	69
II	14	5	30	0	12	9	6	13	17	21	22	16
III	0	0	2	0	0	4	3	0	6	4	0	5
IV	4	0	12	0	6	4	9	0	0	0	0	10
Jumlah	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Lampiran 17. Frekuensi (%) matang gonad dan belum matang gonad ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825)

%	Juni	Juli	Agustus	September	Oktober	November
Belum matang gonad	98	93	93	97	93	90
Matang gonad	2	7	7	3	7	10
Jumlah	100%	100%	100%	100%	100%	100%

Lampiran 18. Ukuran pertama kali matang gonad ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan

Panjang kelas	Tengah kelas	LOG tengah kelas (xi)	Jumlah sampel (ni)	Jumlah ikan belum matang	Jumlah ikan matang	Proporsi ikan matang (pi)	Xi+1-Xi=X	qi=1-pi	$\frac{pi \times qi}{ni-1}$
181-200	190.5	2.2799	26	25	1	0.0385	0.0434	0.9615	0.0009
201-220	210.5	2.3233	29	28	1	0.0345	0.0394	0.9655	0.0008
221-240	230.5	2.3627	27	27	0	0.0000	0.0361	1.0000	0.0000
241-260	250.5	2.3988	31	26	6	0.1935	0.0334	0.8065	0.0037
261-280	270.5	2.4322	26	24	2	0.0769	0.0310	0.9231	0.0017
281-300	290.5	2.4631	20	19	1	0.0500	0.0289	0.9500	0.0011
301-320	310.5	2.4921	15	14	1	0.0667	0.0271	0.9333	0.0015
321-340	330.5	2.5192	14	11	3	0.2143	0.0255	0.7857	0.0040
341-360	350.5	2.5447	6	6	0	0			
TOTAL			194			0.6744			0.0137

antilog (m) = X_k + (X/2) - X*∑Pi

antilog (m) = 2.5557 + 0.0255 - (0.0255*0.6744)

antilog (m) = 2.5812 - 0.0171

antilog (m) = 2.5641

M = anti log 2.5641 = 354.55

Lampiran 19. Ukuran pertama kali matang gonad ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina

Panjang kelas	Tengah kelas	LOG tengah kelas (xi)	Jumlah sampel (ni)	Jumlah ikan belum matang	Jumlah ikan matang	Proporsi ikan matang (pi)	Xi+1-Xi=X	qi=1-pi	$\frac{pi \times qi}{ni-1}$
141-160	150.5	2.1775	2	2	0	0.0000	0.0542	1.0000	0.0000
161-180	170.5	2.2317	8	8	0	0.0000	0.0482	1.0000	0.0000
181-200	190.5	2.2799	10	10	0	0.0000	0.0434	1.0000	0.0000
201-220	210.5	2.3233	20	20	0	0.0000	0.0394	1.0000	0.0000
221-240	230.5	2.3627	17	17	0	0.0000	0.0361	1.0000	0.0000
241-260	250.5	2.3988	15	15	0	0.0000	0.0334	1.0000	0.0000
261-280	270.5	2.4322	13	13	0	0.0000	0.0310	1.0000	0.0000
281-300	290.5	2.4631	19	16	3	0.1579	0.0289	0.8421	0.0032
301-320	310.5	2.4921	12	12	0	0.0000	0.0271	1.0000	0.0000
321-340	330.5	2.5192	8	7	1	0.1250	0.0255	0.8750	0.0026
341-360	350.5	2.5447	4	3	1	0.2500	0.0241	0.7500	0.0045
361-380	370.5	2.5688	0	0	0	0.0000	0.0228	1.0000	0.0000
381-400	390.5	2.5916	1	3	1	1.0000			
TOTAL			129			1.5329			0.0102

antilog (m) = Xk + (X/2) - X*∑Pi

antilog (m) = 2.5916 + 0.0228 - (0.0228*1.5329)

antilog (m) = 2.6144 - 0.0349

antilog (m) = 2.5795

M = anti log 2.5795 = 377.90

Lampiran 20. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.98168
R Square	0.963695
Adjusted R Square	0.963526
Standard Error	0.059305
Observations	217

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	20.07173	20.07173	5706.995	8.7E-157
Residual	215	0.756164	0.003517		
Total	216	20.82789			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.14654	0.098784	-52.0989	6.5E-124	-5.34125	-4.95183	-5.34125	-4.95183
Log L	3.106537	0.041122	75.54466	8.7E-157	3.025483	3.18759	3.025483	3.18759

Lampiran 21. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.983276
R Square	0.966832
Adjusted R Square	0.966581
Standard Error	0.056094
Observations	134

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	12.10712	12.10712	3847.755	1.6E-99
Residual	132	0.415344	0.003147		
Total	133	12.52247			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.1428	0.120486	-42.6839	4.11E-79	-5.38113	-4.90446	-5.38113	-4.90446
X Variable 1	3.10733	0.050094	62.03027	1.6E-99	3.00824	3.206421	3.00824	3.206421

Lampiran 22. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan

T_{hitung} = (3-b)/SE

= (3-3.1065)/0.0411

= -2.5907

Dd = n – 2

8= 217 – 2

= 215

T_{tabel} = (Tinv(0.05,215))

= 1.9710

$T_{hitung} > T_{tabel}$ Menunjukkan bahwa koefisien regresi hubungan panjang bobot ikan belanak ekor tegak jantan berbeda nyata

Lampiran 23. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina

T_{hitung} = (3-b)/SE

= (3-3.1073)/0.0500

= -2.1425

Dd = n – 2

= 134 – 2

= 132

T_{tabel} = (Tinv(0.05,132))

= 1.9780

$T_{hitung} > T_{tabel}$ Menunjukkan bahwa koefisien regresi hubungan panjang bobot ikan belanak ekor tegak betina berbeda nyata

Lampiran 24. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) antara jenis ikan jantan dan betina

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(20.8279) - $\frac{6.4611}{2.0798}$

= 0.7562

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(12.5225) - $\frac{3.8963}{1.2539}$

= 0.4153

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.7562 - 0.4153}{(217-2)+(134-2)}$

= 0.0034

$$t = \frac{(b_1 - b_2}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1065-3.1073}{\sqrt{0.0681}}$

=0.0046

$$Var(b_1 - b_2 = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0034 - 0.0034}{2.0798 + 1.2539}$

= -0.0116

$T_{0.05,347}$ = 1.9668

Lampiran 25. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Juni

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.989288
R Square	0.978691
Adjusted R Square	0.978247
Standard Error	0.04813
Observations	50

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	5.106808	5.106808	2204.517	8.9E-42
Residual	48	0.111193	0.002317		
Total	49	5.218001			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.9087	0.152737	-32.1386	4.05E-34	-5.21585	-4.60166	-5.21585	-4.60166
X Variable 1	3.0030	0.06396	46.95228	8.9E-42	2.874454	3.131653	2.874454	3.131653

Lampiran 26. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Juli

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.987741
R Square	0.975632
Adjusted R Square	0.975038
Standard Error	0.044337
Observations	43

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3.226826	3.226826	1641.531	1.07E-34
Residual	41	0.080595	0.001966		
Total	42	3.307422			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.98396	0.178678	-27.8936	2.77E-28	-5.3448	-4.62311	-5.3448	-4.62311
X Variable 1	3.025027	0.074663	40.51581	1.07E-34	2.874242	3.175812	2.874242	3.175812

Lampiran 27. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Agustus

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.989859
R Square	0.979821
Adjusted R Square	0.97917
Standard Error	0.049956
Observations	33

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3.756469	3.756469	1505.256	7.64E-28
Residual	31	0.077363	0.002496		
Total	32	3.833832			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.40488	0.201149	-26.87	4.87E-23	-5.81513	-4.99463	-5.81513	-4.99463
X Variable 1	3.199717	0.082472	38.79763	7.64E-28	3.031515	3.36792	3.031515	3.36792

Lampiran 28. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan September

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.981376549
R Square	0.96309993
Adjusted R Square	0.961946803
Standard Error	0.066833541
Observations	34

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3.730637763	3.730637763	835.207	1.68E-24
Residual	32	0.142935109	0.004466722		
Total	33	3.873572872			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-5.399328818	0.264451994	-20.41704712	6.45E-20	-5.938	-4.86066
X Variable 1	3.209457704	0.111054097	28.89994868	1.68E-24	2.983248	3.435667

Lampiran 29. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Oktober

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.987702
R Square	0.975554
Adjusted R Square	0.974681
Standard Error	0.039709
Observations	30

	-1.50016		
	2.048407		

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.761963	1.761963	1117.4	4.11E-24
Residual	28	0.044152	0.001577		
Total	29	1.806114			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.17005	0.227386	-22.7369	1.37E-19	-5.63583	-4.70427	-5.63583	-4.70427
X Variable 1	3.14096	0.093963	33.42754	4.11E-24	2.948485	3.333435	2.948485	3.333435

Lampiran 30. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan November

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.992168
R Square	0.984397
Adjusted R Square	0.983773
Standard Error	0.031373
Observations	27

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.552428	1.552428	1577.255	4.14E-24
Residual	25	0.024606	0.000984		
Total	26	1.577035			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.90002	0.183108	-26.7602	6.4E-20	-5.27714	-4.5229	-5.27714	-4.5229
X Variable 1	3.024813	0.076164	39.71467	4.14E-24	2.867951	3.181675	2.867951	3.181675

Lampiran 31. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juni dan bulan Juli

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(5.2180) - $\frac{1.7005}{0.5663}$

= 0.1112

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.3074) - $\frac{1.0667}{0.3526}$

= 0.0806

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1112 - 0.0806}{(50-2)+(43-2)}$

= 0.0022

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0030-3.0250}{\sqrt{0.0862}}$

=0.0072

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0022}{0.5663} + \frac{0.0022}{0.3526}$

= -0.2548

$T_{0.05,89}$ = 1.9870

Lampiran 32. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juni dan bulan Agustus

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(5.2180) - $\frac{1.7005}{0.5663}$

= 0.1112

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.8338) - $\frac{1.1740}{0.3669}$

= 0.0774

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1112 - 0.0806}{(50-2)+(33-2)}$

= 0.0022

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0030 - 3.1997}{\sqrt{0.2000}}$

=0.0400

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0117}{0.5663} + \frac{0.0117}{0.3669}$

= -0.9835

$T_{0.05,79}$ = 1.9905

Lampiran 33. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juni dan bulan September

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(5.2180) - $\frac{1.7005}{0.5663}$

= 0.1112

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.8736) - $\frac{1.1624}{0.3621}$

= 0.1425

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1112 - 0.0806}{(50-2)+(34-2)}$

= 0.0032

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0030-3.2094}{0.1043}$

=0.0103

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0117}{0.5663} + \frac{0.0117}{0.3621}$

= -0.9798

$T_{0.05,80}$ = 1.9901

Lampiran 34. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) antara bulan Juni dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(5.2180) - $\frac{1.7005}{0.5663}$

= 0.1112

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.8061) - $\frac{1.1786}{05610}$

= 0.0442

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1112 - 0.0806}{(50-2)+(30-2)}$

= 0.0020

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0030 - 3.1409}{\sqrt{0.0919}}$

=0.0084

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0117}{0.5663} + \frac{0.0117}{0.3669}$

= -1.5006

$T_{0.05,79}$ = 1.9917

Lampiran 35. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juni dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(5.2180) - $\frac{1.7005}{0.5663}$

= 0.1112

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5770) - $\frac{0.5132}{0.1697}$

= 0.0246

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1112 - 0.0806}{(50-2)+(27-2)}$

= 0.0019

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0030 - 3.1997}{\sqrt{0.0883}}$

=0.0078

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0119}{0.5663} + \frac{0.0119}{0.3697}$

= -0.2464

$T_{0.05,79}$ = 1.9930

Lampiran 36. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juli dan bulan Agustus

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.3074) - $\frac{1.0667}{0.3526}$

= 0.0806

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.8338) - $\frac{1.1740}{0.3669}$

= 0.0774

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0806-0.0774}{(43-2)+(33-2)}$

= 0.0022

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0250-3.1997}{\sqrt{0.0992}}$

=0.0098

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0022}{03526} + \frac{0.0022}{0.3669}$

= -1.7608

$T_{0.05,72}$ = 1.9935

Lampiran 37. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juli dan bulan September

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.3074) - $\frac{1.0667}{0.3526}$

= 0.0806

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.8338) - $\frac{1.1740}{0.3669}$

= 0.0774

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0806 - 0.0774}{(43-2)+(34-2)}$

= 0.0031

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0250 - 3..2094}{\sqrt{0.1174}}$

=0.0138

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0031}{03526} + \frac{0.0031}{0.3622}$

= -1.5716

$T_{0.05,73}$ = 1.9930

Lampiran 38. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juli dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.3074) - $\frac{1.0667}{0.3526}$

= 0.0806

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.8338) - $\frac{1.1740}{0.3669}$

= 0.0774

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0806 - 0.1786}{(43-2)+(30-2)}$

= 0.0018

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0250 - 3.1409}{\sqrt{0.0970}}$

=0.0094

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0018}{03526} + \frac{0.0018}{0.3669}$

= -1.1954

$T_{0.05,72}$ = 1.9949

Lampiran 39. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Juli dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.3074) - $\frac{1.0667}{0.3526}$

= 0.0806

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5770) - $\frac{0.5770}{0.1697}$

= 0.0774

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0806 - 0.0246}{(43-2)+(27-2)}$

= 0.0016

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0250 - 3.0248}{\sqrt{0.0916}}$

=0.0084

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0017}{03526} + \frac{0.0017}{0.1697}$

= 0.0023

$T_{0.05,69}$ = 1.9966

Lampiran 40. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Agustus dan bulan September

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.8338) - $\frac{1.1740}{0.3669}$

= 0.1286

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.8736) - $\frac{1.1624}{0.3622}$

= 0.1429

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0774 - 0.1429}{(33-2)+(34-2)}$

= 0.0035

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1997-3.2094}{\sqrt{0.1239}}$

=0.0153

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0035}{0.5240} + \frac{0.0035}{0.3662}$

= -0.0786

$T_{0.05,110}$ = 1.9983

Lampiran 41. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Agustus dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.8338) - $\frac{1.1740}{0.3669}$

= 0.0774

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.8061) - $\frac{0.5610}{0.1786}$

= 0.0442

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0774 - 0.0442}{(33-2)+(30-2)}$

= 0.0021

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1997-3.1409}{\sqrt{0.1024}}$

=0.0105

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0035}{0.5240} + \frac{0.0035}{0.1786}$

= 0.5738

$T_{0.05,59}$ = 2.0010

Lampiran 42. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Agustus dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.8336) - $\frac{1.1624}{0.3622}$

= 0.1429

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.8061) - $\frac{0.5610}{0.1786}$

= 0.0442

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0774 - 0.2745}{(33-2)+(27-2)}$

= 0.0063

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1997-3.0248}{\sqrt{0.1763}}$

=0.0311

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0063}{0.3669} + \frac{0.0063}{0.2022}$

= 0.5417

$T_{0.05,60}$ = 2.0003

Lampiran 43. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan September dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.5886) - $\frac{1.1624}{0.3622}$

= 0.1429

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.8061) - $\frac{1.5610}{0.1786}$

= 0.0442

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1429 - 0.0442}{(30-2)+(27-2)}$

= 0.0029

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.2094 - 3.0248}{\sqrt{0.1235}}$

=0.0153

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0031}{0.3622} + \frac{0.0031}{0.1786}$

= 1.5417

$T_{0.05,60}$ = 2.0003

Lampiran 44. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan September dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.5886) - $\frac{1.1624}{0.3622}$

= 0.1429

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5132) - $\frac{1.5132}{0.1697}$

= 0.0246

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1429 - 0.0246}{(34-2)+(27-2)}$

= 0.0029

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.2094 - 3.0248}{\sqrt{0.1235}}$

=0.0153

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0029}{0.3622} + \frac{0.0029}{0.1697}$

= 1.4951

$T_{0.05,108}$ = 2.0025

Lampiran 45. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan antara bulan Oktober dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.8061) - $\frac{0.5610}{0.1786}$

= 0.2097

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5770) - $\frac{0.5132}{0.1697}$

= 0.0246

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.2097 - 0.0448}{(30-2)+(27-2)}$

= 0.0013

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1409 - 3.0248}{\sqrt{0.1020}}$

=0.0104

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0013}{0.1786} + \frac{0.0013}{0.1697}$

= 1.1382

$T_{0.05,54}$ = 2.005

Lampiran 46. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Juni

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.972593
R Square	0.945938
Adjusted R Square	0.943234
Standard Error	0.066174
Observations	22

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.532384	1.532384	349.9427	3.85E-14
Residual	20	0.087579	0.004379		
Total	21	1.619963			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.9571	0.39129	-12.6689	5.18E-11	-5.77341	-4.14098	-5.77341	-4.14098
X Variable 1	3.0164	0.161248	18.70676	3.85E-14	2.680063	3.352776	2.680063	3.352776

Lampiran 47. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Juli

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.989134
R Square	0.978387
Adjusted R Square	0.977306
Standard Error	0.047362
Observations	22

`

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.030914	2.030914	905.3686	3.96E-18
Residual	20	0.044864	0.002243		
Total	21	2.075777			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.0081	0.240254	-20.8452	4.89E-15	-5.50931	-4.50699	-5.50931	-4.50699
X Variable 1	3.0468	0.101261	30.08934	3.96E-18	2.835656	3.258111	2.835656	3.258111

Lampiran 48. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Agustus

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.984324
R Square	0.968894
Adjusted R Square	0.967413
Standard Error	0.048324
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.527499	1.527499	654.1077	2.61E-17
Residual	21	0.04904	0.002335		
Total	22	1.576539			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.24386	0.297688	-17.6153	4.67E-14	-5.86293	-4.62478	-5.86293	-4.62478
X Variable 1	3.138086	0.122699	25.57553	2.61E-17	2.88292	3.393252	2.88292	3.393252

Lampiran 49. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan September

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.991167967
R Square	0.982413939
Adjusted R Square	0.981614573
Standard Error	0.052492847
Observations	24

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3.386482853	3.386482853	1228.991	8.44E-21
Residual	22	0.060620978	0.002755499		
Total	23	3.447103832			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.516538837	0.220523743	-25.01562312	1.18E-17	-5.97388	-5.0592	-5.97388	-5.0592
X Variable 1	3.267343256	0.093200974	35.05696463	8.44E-21	3.074056	3.46063	3.074056	3.46063

Lampiran 50. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Oktober

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.990117
R Square	0.980332
Adjusted R Square	0.979438
Standard Error	0.039827
Observations	24

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.739428	1.739428	1096.594	2.89E-20
Residual	22	0.034897	0.001586		
Total	23	1.774325			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.98183	0.223134	-22.3266	1.32E-16	-5.44458	-4.51908	-5.44458	-4.51908
X Variable 1	3.048593	0.092061	33.11486	2.89E-20	2.85767	3.239516	2.85767	3.239516

Lampiran 51. Hasil analisis regresi hubungan panjang bobot ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan November

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.99079
R Square	0.981665
Adjusted R Square	0.980586
Standard Error	0.033542
Observations	19

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.024017	1.024017	910.1801	3.33E-16
Residual	17	0.019126	0.001125		
Total	18	1.043143			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.87509	0.2419	-20.1533	2.64E-13	-5.38545	-4.36472	-5.38545	-4.36472
X Variable 1	3.018574	0.100055	30.16919	3.33E-16	2.807477	3.229671	2.807477	3.229671

Lampiran 52. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juni dan bulan Juli

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.6200) - $\frac{0.5080}{1.684}$

= 0.0876

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(2.0758) - $\frac{0.6666}{0.2188}$

= 0.0449

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0876 - 0.0449}{(22-2)+(22-2)}$

= 0.0033

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.01641 - 3.0468}{\sqrt{0.0862}}$

=0.0033

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0033}{0.1684} + \frac{0.0033}{0.2188}$

= -0.1863

$T_{0.05,89}$ = 2.0211

Lampiran 53. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juni dan bulan Agustus

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.6200) - $\frac{0.5080}{1.684}$

= 0.0876

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5765) - $\frac{0.4868}{0.1551}$

= 0.0490

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0876 - 0.0490}{(22-2)+(22-2)}$

= 0.0033

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.01641 - 3.1380}{\sqrt{0.1681}}$

=0.0282

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0033}{0.1684} + \frac{0.0033}{0.1551}$

= -0.7239

$T_{0.05,89}$ = 2.0195

Lampiran 54. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juni dan bulan September

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.6200) - $\frac{0.5080}{1.684}$

= 0.0876

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.4471) - $\frac{1.0365}{0.312}$

= 0.0606

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0876 - 0.0606}{(22-2)+(24-2)}$

= 0.0035

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.01641 - 3.2673}{\sqrt{0.1650}}$

=0.0272

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0035}{0.1684} + \frac{0.0035}{0.1551}$

= -1.5210

$T_{0.05,89}$ = 2.0181

Lampiran 55. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juni dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.6200) - $\frac{0.5080}{1.684}$

= 0.0876

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.7743) - $\frac{0.5706}{0.1872}$

= 0.0349

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0876 - 0.0349}{(22-2)+(24-2)}$

= 0.0029

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.01641 - 3.0485}{\sqrt{0.1551}}$

=0.0241

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0029}{0.1684} + \frac{0.0029}{0.1872}$

= -0.2074

$T_{0.05,89}$ = 2.0181

Lampiran 56. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juni dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.6200) - $\frac{0.5080}{1.684}$

= 0.0876

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(0.9494) - $\frac{0.3166}{0.1069}$

= 0.0119

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0876 - 0.0119}{(22-2)+(19-2)}$

= 0.0027

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0164 - 3.0185}{\sqrt{0.1555}}$

= 0.0242

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0029}{0.1684} + \frac{0.0029}{0.1069}$

= -0.0139

$T_{0.05,89}$ = 2.0262

Lampiran 57. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juli dan bulan Agustus

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(2.0758) - $\frac{0.6666}{0.2188}$

= 0.0449

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5765) - $\frac{0.4868}{0.1551}$

= 0.0490

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0449 - 0.0490}{(22-2)+(23-2)}$

= 0.0023

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0468 - 3.1380}{\sqrt{0.1276}}$

= 0.0163

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0023}{0.2188} + \frac{0.0023}{0.1551}$

= -0.7147

$T_{0.05,72}$ = 2.0195

Lampiran 58. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juli dan bulan September

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(2.0758) - $\frac{0.6666}{0.2188}$

= 0.0449

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(3.4471) - $\frac{1.0365}{03172}$

= 0.0606

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0449-0.0606}{(22-2)+(24-2)}$

= 0.0025

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0468-3.2673}{\sqrt{0.1263}}$

= 0.0159

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0025}{0.2188} + \frac{0.0025}{0.3172}$

= -0.7462

$T_{0.05,72}$ = 2.0181

Lampiran 59. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juli dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(2.0758) - $\frac{0.6666}{0.2188}$

= 0.0449

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.7743) - $\frac{1.5706}{0.1872}$

= 0.0349

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0449 - 0.0606}{(22-2)+(24-2)}$

= 0.0019

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0468 - 3.2673}{\sqrt{0.1263}}$

= 0.0159

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0019}{0.2188} + \frac{0.0019}{0.1872}$

= -0.0150

$T_{0.05,72}$ = 2.0181

Lampiran 60. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Juli dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(2.0758) - $\frac{0.6666}{0.2188}$

= 0.0449

$$JKS_2 = \sum (Y_2 - \bar{Y}_2)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.0431) - $\frac{0.3392}{0.1124}$

= 0.0191

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0449-0.0191}{(22-2)+(24-2)}$

= 0.0017

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0468-3.0185}{\sqrt{0.1143}}$

= 0.0131

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0017}{0.2188} + \frac{0.0017}{0.1124}$

= 0.2477

$T_{0.05,72}$ = 2.0262

Lampiran 61. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Agustus dan bulan September

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.5765) - $\frac{0.0490}{0.1551}$

= 0.0490

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.7743) - $\frac{0.5706}{0.1872}$

= 0.0349

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0490 - 0.0349}{(23-2)+(24-2)}$

= 0.0026

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1381-3.0486}{\sqrt{0.1308}}$

= 0.0171

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0020}{0.1551} + \frac{0.0020}{0.1872}$

= 0.6844

$T_{0.05,43}$ = 2.0167

Lampiran 62. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Agustus dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.5765) - $\frac{0.4868}{0.1551}$

= 0.0490

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.0431) - $\frac{0.3392}{0.1124}$

= 0.0191

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0490 - 0.0191}{(23-2)+(19-2)}$

= 0.0018

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1381-3.0186}{\sqrt{0.1301}}$

=0.0169

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0018}{0.1551} + \frac{0.0018}{0.1124}$

= 0.9189

$T_{0.05,59}$ = 2.0244

Lampiran 63. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan Agustus dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.4471) - $\frac{3.4471}{0.3172}$

= 0.0606

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.7743) - $\frac{0.5706}{0.1872}$

= 0.0349

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.0606 - 0.0349}{(24-2)+(24-2)}$

= 0.0022

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.2673-3.0486}{\sqrt{0.1089}}$

= 0.0119

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0022}{0.3172} + \frac{0.0022}{0.1872}$

= 2.0085

$T_{0.05,44}$ = 2.0154

Lampiran 64. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina antara bulan September dan bulan Oktober

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(3.4471) - $\frac{1.0365}{0.3172}$

= 0.0606

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.0431) - $\frac{0.3392}{0.1123}$

= 0.0191

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1429 - 0.0442}{(24-2)+(19-2)}$

= 0.0020

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.2673 - 3.0185}{\sqrt{0.1120}}$

= 0.0125

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0020}{0.3172} + \frac{0.0020}{0.1124}$

= 2.2210

$T_{0.05,60}$ = 2.0227

Lampiran 65. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) antara bulan September dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.7743) - $\frac{1.1624}{0.1872}$

= 0.0349

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.0431) - $\frac{0.3392}{0.1124}$

= 0.0191

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.1429 - 0.0246}{(24-2)+(19-2)}$

= 0.0014

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.0485 - 3.0185}{\sqrt{0.1074}}$

= 0.0115

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0014}{0.3622} + \frac{0.0014}{0.169}$

= 0.2795

$T_{0.05,108}$ = 2.0027

Lampiran 66. Uji statistik koefisien regresi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) antara bulan Oktober dan bulan November

$$JKS_1 = \sum (Y_1 - \bar{Y}_1)^2 - \frac{\sum (X_1 - \bar{X}_1)(Y_1 - \bar{Y}_1)}{\sum (X_1 - \bar{X}_1)}$$

= ∑(1.8061) - $\frac{0.5610}{0.1786}$

= 0.2097

$$JKS_2 = \sum (Y_2 - \bar{Y}_1)^2 - \frac{\sum (X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2)}{\sum (X_2 - \bar{X}_2)}$$

= ∑(1.5770) - $\frac{0.5132}{0.1697}$

= 0.0246

$$S_p^2 = \frac{JKS_1 - JKS_2}{(n_1 - 2) + (n_2 - 2)}$$

= $\frac{0.2097 - 0.0448}{(30-2)+(27-2)}$

= 0.0013

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_1 - b_2)}}$$

= $\frac{3.1409 - 3.0248}{\sqrt{0.1020}}$

=0.0104

$$Var(b_1 - b_2) = \frac{S_p^2}{\sum (X_1 - \bar{X}_1)^2} + \frac{S_p^2}{\sum (X_2 - \bar{X}_2)^2}$$

= $\frac{0.0013}{0.1786} + \frac{0.0013}{0.1697}$

= 1.1382

$T_{0.05,54}$ = 2.0057

Lampiran 67. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	242	184.04	2.3838	2.2649	1.0000	184.0400	273.18	217	0.6372-1.3145
2	208	126.57	2.3181	2.1023	1.0000	126.5700			
3	205	120.42	2.3118	2.0807	1.0000	120.4200			
4	245	182.26	2.3892	2.2607	1.0000	182.2600			
5	252	208.22	2.4014	2.3185	1.0000	208.2200			
6	220	131.16	2.3424	2.1178	1.0000	131.1600			
7	327	436.88	2.5145	2.6404	1.0000	436.8800			
8	452	1125.33	2.6551	3.0513	1.0000	1125.3300			
9	578	2518.64	2.7619	3.4012	1.0000	2518.6400			
10	190	96.69	2.2788	1.9854	1.0000	96.6900			
11	206	113.77	2.3139	2.0560	1.0000	113.7700			
12	210	113.35	2.3222	2.0544	1.0000	113.3500			
13	188	87.89	2.2742	1.9439	1.0000	87.8900			
14	182	84.38	2.2601	1.9262	1.0000	84.3800			
15	175	62.45	2.2430	1.7955	1.0000	62.4500			
16	194	99.52	2.2878	1.9979	1.0000	99.5200			
17	192	96.29	2.2833	1.9836	1.0000	96.2900			
18	202	105.77	2.3054	2.0244	1.0000	105.7700			
19	220	126.9	2.3424	2.1035	1.0000	126.9000			
20	284	297.87	2.4533	2.4740	1.0000	297.8700			
21	257	214.35	2.4099	2.3311	1.0000	214.3500			
22	254	213.72	2.4048	2.3298	1.0000	213.7200			
23	356	736.25	2.5514	2.8670	1.0000	736.2500			
24	300	384.69	2.4771	2.5851	1.0000	384.6900			
25	179	70.55	2.2529	1.8485	1.0000	70.5500			
26	182	75.37	2.2601	1.8772	1.0000	75.3700			
27	186	77.66	2.2695	1.8902	1.0000	77.6600			
28	172	66.98	2.2355	1.8259	1.0000	66.9800			
29	229	124.68	2.3598	2.0958	1.0000	124.6800			
30	253	195.98	2.4031	2.2922	1.0000	195.9800			
31	267	196.22	2.4265	2.2927	1.0000	196.2200			
32	323	532.12	2.5092	2.7260	1.0000	532.1200			
33	336	573.67	2.5263	2.7587	1.0000	573.6700			
34	288	291.28	2.4594	2.4643	1.0000	291.2800			
35	282	260.67	2.4502	2.4161	1.0000	260.6700			
36	245	190.37	2.3892	2.2796	1.0000	190.3700			
37	193	95.99	2.2856	1.9822	1.0000	95.9900			
38	256	198.69	2.4082	2.2982	1.0000	198.6900			
39	269	223.38	2.4298	2.3490	1.0000	223.3800			
40	196	96.43	2.2923	1.9842	1.0000	96.4300			
41	276	263.68	2.4409	2.4211	1.0000	263.6800			
42	281	277.88	2.4487	2.4439	1.0000	277.8800			
43	289	294.58	2.4609	2.4692	1.0000	294.5800			
44	186	85.88	2.2695	1.9339	1.0000	85.8800			

45	195	92.45	2.2900	1.9659	1.0000	92.4500
46	263	204.33	2.4200	2.3103	1.0000	204.3300
47	262	187.72	2.4183	2.2735	1.0000	187.7200
48	257	160.8	2.4099	2.2063	1.0000	160.8000
49	255	153.55	2.4065	2.1862	1.0000	153.5500
50	298	306.88	2.4742	2.4870	1.0000	306.8800
51	270	250.63	2.4314	2.3990	1.0000	250.6300
52	304	365.62	2.4829	2.5630	1.0000	365.6200
53	302	329.5	2.4800	2.5179	1.0000	329.5000
54	330	457.46	2.5185	2.6604	1.0000	457.4600
55	382	757.9	2.5821	2.8796	1.0000	757.9000
56	282	268.7	2.4502	2.4293	1.0000	268.7000
57	265	244.69	2.4232	2.3886	1.0000	244.6900
58	214	112.23	2.3304	2.0501	1.0000	112.2300
59	216	118.06	2.3345	2.0721	1.0000	118.0600
60	202	98.78	2.3054	1.9947	1.0000	98.7800
61	201	95.87	2.3032	1.9817	1.0000	95.8700
62	187	62.42	2.2718	1.7953	1.0000	62.4200
63	224	114.25	2.3502	2.0579	1.0000	114.2500
64	168	57.64	2.2253	1.7607	1.0000	57.6400
65	192	84.24	2.2833	1.9255	1.0000	84.2400
66	203	116.37	2.3075	2.0658	1.0000	116.3700
67	332	477.7	2.5211	2.6792	1.0000	477.7000
68	256	176.23	2.4082	2.2461	1.0000	176.2300
69	252	164.73	2.4014	2.2168	1.0000	164.7300
70	295	299.46	2.4698	2.4763	1.0000	299.4600
71	292	288.74	2.4654	2.4605	1.0000	288.7400
72	330	456.35	2.5185	2.6593	1.0000	456.3500
73	276	246.9	2.4409	2.3925	1.0000	246.9000
74	238	165.4	2.3766	2.2185	1.0000	165.4000
75	167	63.66	2.2227	1.8039	1.0000	63.6600
76	172	69.98	2.2355	1.8450	1.0000	69.9800
77	221	138.72	2.3444	2.1421	1.0000	138.7200
78	200	94	2.3010	1.9731	1.0000	94.0000
79	279	257.92	2.4456	2.4115	1.0000	257.9200
80	265	196.68	2.4232	2.2938	1.0000	196.6800
81	272	241.15	2.4346	2.3823	1.0000	241.1500
82	256	169.48	2.4082	2.2291	1.0000	169.4800
83	225	140.26	2.3522	2.1469	1.0000	140.2600
84	248	156.28	2.3945	2.1939	1.0000	156.2800
85	226	184.8	2.3541	2.2667	1.0000	184.8000
86	267	192.36	2.4265	2.2841	1.0000	192.3600
87	208	101.12	2.3181	2.0048	1.0000	101.1200
88	182	68.24	2.2601	1.8340	1.0000	68.2400
89	192	82.37	2.2833	1.9158	1.0000	82.3700
90	308	345.65	2.4886	2.5386	1.0000	345.6500
91	302	331.7	2.4800	2.5207	1.0000	331.7000
92	331	429.24	2.5198	2.6327	1.0000	429.2400

93	286	278.9	2.4564	2.4454	1.0000	278.9000
94	226	103.5	2.3541	2.0149	1.0000	103.5000
95	172	74.94	2.2355	1.8747	1.0000	74.9400
96	252	213.32	2.4014	2.3290	1.0000	213.3200
97	362	578.9	2.5587	2.7626	1.0000	578.9000
98	353	705.47	2.5478	2.8485	1.0000	705.4700
99	350	641.17	2.5441	2.8070	1.0000	641.1700
100	400	871.62	2.6021	2.9403	1.0000	871.6200
101	262	210.27	2.4183	2.3228	1.0000	210.2700
102	265	212.65	2.4232	2.3277	1.0000	212.6500
103	282	263.42	2.4502	2.4206	1.0000	263.4200
104	280	245.5	2.4472	2.3901	1.0000	245.5000
105	252	163.15	2.4014	2.2126	1.0000	163.1500
106	258	160.83	2.4116	2.2064	1.0000	160.8300
107	247	184.48	2.3927	2.2659	1.0000	184.4800
108	294	312.95	2.4683	2.4955	1.0000	312.9500
109	262	209.12	2.4183	2.3204	1.0000	209.1200
110	246	169.51	2.3909	2.2292	1.0000	169.5100
111	298	348.35	2.4742	2.5420	1.0000	348.3500
112	235	138.62	2.3711	2.1418	1.0000	138.6200
113	217	119.23	2.3365	2.0764	1.0000	119.2300
114	222	120.29	2.3464	2.0802	1.0000	120.2900
115	196	96.86	2.2923	1.9861	1.0000	96.8600
116	221	113.83	2.3444	2.0563	1.0000	113.8300
117	235	147.62	2.3711	2.1691	1.0000	147.6200
118	175	60.54	2.2430	1.7820	1.0000	60.5400
119	280	262.47	2.4472	2.4191	1.0000	262.4700
120	261	216.62	2.4166	2.3357	1.0000	216.6200
121	350	539.65	2.5441	2.7321	1.0000	539.6500
122	374	733.03	2.5729	2.8651	1.0000	733.0300
123	374	650.18	2.5729	2.8130	1.0000	650.1800
124	385	737.13	2.5855	2.8675	1.0000	737.1300
125	215	125.57	2.3324	2.0989	1.0000	125.5700
126	496	1585.38	2.6955	3.2001	1.0000	1585.3800
127	427	1203.54	2.6304	3.0805	1.0000	1203.5400
128	506	1935.21	2.7042	3.2867	1.0000	1935.2100
129	205	99.67	2.3118	1.9986	1.0000	99.6700
130	243	185.34	2.3856	2.2680	1.0000	185.3400
131	224	146.22	2.3502	2.1650	1.0000	146.2200
132	180	72.18	2.2553	1.8584	1.0000	72.1800
133	182	70.85	2.2601	1.8503	1.0000	70.8500
134	199	102.33	2.2989	2.0100	1.0000	102.3300
135	256	231.35	2.4082	2.3643	1.0000	231.3500
136	265	216.98	2.4232	2.3364	1.0000	216.9800
137	184	65.67	2.2648	1.8174	1.0000	65.6700
138	214	105.45	2.3304	2.0230	1.0000	105.4500
139	242	187.65	2.3838	2.2733	1.0000	187.6500
140	286	330.54	2.4564	2.5192	1.0000	330.5400

141	259	183.68	2.4133	2.2641	1.0000	183.6800
142	266	217.37	2.4249	2.3372	1.0000	217.3700
143	271	292.58	2.4330	2.4662	1.0000	292.5800
144	305	449.72	2.4843	2.6529	1.0000	449.7200
145	259	278.18	2.4133	2.4443	1.0000	278.1800
146	221	106.15	2.3444	2.0259	1.0000	106.1500
147	225	114.34	2.3522	2.0582	1.0000	114.3400
148	321	487.64	2.5065	2.6881	1.0000	487.6400
149	303	314.36	2.4814	2.4974	1.0000	314.3600
150	225	124.67	2.3522	2.0958	1.0000	124.6700
151	242	169.48	2.3838	2.2291	1.0000	169.4800
152	276	165.86	2.4409	2.2197	1.0000	165.8600
153	192	87.25	2.2833	1.9408	1.0000	87.2500
154	234	170.08	2.3692	2.2307	1.0000	170.0800
155	161	52.78	2.2068	1.7225	1.0000	52.7800
156	190	84.04	2.2788	1.9245	1.0000	84.0400
157	216	134.15	2.3345	2.1276	1.0000	134.1500
158	192	99.23	2.2833	1.9966	1.0000	99.2300
159	179	74.18	2.2529	1.8703	1.0000	74.1800
160	243	193.54	2.3856	2.3856	1.0000	193.5400
161	293	425.87	2.4669	2.6293	1.0000	425.8700
162	235	196.45	2.3711	2.2933	1.0000	196.4500
163	298	395.63	2.4742	2.5973	1.0000	395.6300
164	226	144.21	2.3541	2.1590	1.0000	144.2100
165	276	317.29	2.4409	2.5015	1.0000	317.2900
166	250	232.99	2.3979	2.3673	1.0000	232.9900
167	316	516.87	2.4997	2.7134	1.0000	516.8700
168	302	435.99	2.4800	2.6395	1.0000	435.9900
169	191	117.21	2.2810	2.0690	1.0000	117.2100
170	218	124.48	2.3385	2.0951	1.0000	124.4800
171	226	157.54	2.3541	2.1974	1.0000	157.5400
172	221	148.87	2.3444	2.1728	1.0000	148.8700
173	235	192.44	2.3711	2.2843	1.0000	192.4400
174	222	145.65	2.3464	2.1633	1.0000	145.6500
175	256	215.54	2.4082	2.3335	1.0000	215.5400
176	327	583.28	2.5145	2.7659	1.0000	583.2800
177	242	218.99	2.3838	2.3404	1.0000	218.9900
178	337	614.06	2.5276	2.7882	1.0000	614.0600
179	319	525.27	2.5038	2.7204	1.0000	525.2700
180	305	451.42	2.4843	2.6546	1.0000	451.4200
181	292	388.99	2.4654	2.5899	1.0000	388.9900
182	274	284.27	2.4378	2.4537	1.0000	284.2700
183	232	197.45	2.3655	2.2955	1.0000	197.4500
184	208	125.76	2.3181	2.0995	1.0000	125.7600
185	194	116.33	2.2878	2.0657	1.0000	116.3300
186	202	124.78	2.3054	2.0961	1.0000	124.7800
187	324	484.66	2.5105	2.6854	1.0000	484.6600
188	332	575.96	2.5211	2.7604	1.0000	575.9600

189	325	489.42	2.5119	2.6897	1.0000	489.4200
190	313	388.82	2.4955	2.5897	1.0000	388.8200
191	217	134.74	2.3365	2.1295	1.0000	134.7400
192	205	119.28	2.3118	2.0766	1.0000	119.2800
193	305	425.07	2.4843	2.6285	1.0000	425.0700
194	231	184.99	2.3636	2.2671	1.0000	184.9900
195	274	296.92	2.4378	2.4726	1.0000	296.9200
196	217	122.76	2.3365	2.0891	1.0000	122.7600
197	222	141.62	2.3464	2.1511	1.0000	141.6200
198	197	110.7	2.2945	2.0441	1.0000	110.7000
199	213	124.5	2.3284	2.0952	1.0000	124.5000
200	312	461.25	2.4942	2.6639	1.0000	461.2500
201	257	256.57	2.4099	2.4092	1.0000	256.5700
202	298	412.64	2.4742	2.6156	1.0000	412.6400
203	246	222.23	2.3909	2.3468	1.0000	222.2300
204	202	128.1	2.3054	2.1075	1.0000	128.1000
205	214	139.21	2.3304	2.1437	1.0000	139.2100
206	319	440.63	2.5038	2.6441	1.0000	440.6300
207	332	518.35	2.5211	2.7146	1.0000	518.3500
208	315	473.28	2.4983	2.6751	1.0000	473.2800
209	222	163.37	2.3464	2.2132	1.0000	163.3700
210	270	304.61	2.4314	2.4837	1.0000	304.6100
211	209	147.17	2.3201	2.1678	1.0000	147.1700
212	208	132.69	2.3181	2.1228	1.0000	132.6900
213	342	534.21	2.5340	2.7277	1.0000	534.2100
214	344	564.93	2.5366	2.7520	1.0000	564.9300
215	300	402.26	2.4771	2.6045	1.0000	402.2600
216	227	185.14	2.3560	2.2675	1.0000	185.1400
217	245	211.57	2.3892	2.3255	1.0000	211.5700

Lampiran 68. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	264	149.4	2.4216	2.1744	1.0000	149.4000	273.73	134	0.6200-1.2643
2	250	187.65	2.3979	2.2733	1.0000	187.6500			
3	306	328.45	2.4857	2.5165	1.0000	328.4500			
4	321	342.67	2.5065	2.5349	1.0000	342.6700			
5	497	1879.25	2.6964	3.2740	1.0000	1879.2500			
6	212	147.24	2.3263	2.1680	1.0000	147.2400			
7	238	171.78	2.3766	2.2350	1.0000	171.7800			
8	224	164.43	2.3502	2.2160	1.0000	164.4300			
9	221	128.58	2.3444	2.1092	1.0000	128.5800			
10	266	246.24	2.4249	2.3914	1.0000	246.2400			
11	248	227.64	2.3945	2.3572	1.0000	227.6400			
12	331	510.44	2.5198	2.7079	1.0000	510.4400			
13	214	112.87	2.3304	2.0526	1.0000	112.8700			
14	229	131.55	2.3598	2.1191	1.0000	131.5500			

15	289	289.26	2.4609	2.4613	1.0000	289.2600
16	268	218.54	2.4281	2.3395	1.0000	218.5400
17	238	162.25	2.3766	2.2102	1.0000	162.2500
18	212	118.64	2.3263	2.0742	1.0000	118.6400
19	217	120.37	2.3365	2.0805	1.0000	120.3700
20	318	358.24	2.5024	2.5542	1.0000	358.2400
21	314	337.21	2.4969	2.5279	1.0000	337.2100
22	308	312.35	2.4886	2.4946	1.0000	312.3500
23	315	396.58	2.4983	2.5983	1.0000	396.5800
24	283	295.64	2.4518	2.4708	1.0000	295.6400
25	220	131.24	2.3424	2.1181	1.0000	131.2400
26	247	185.34	2.3927	2.2680	1.0000	185.3400
27	248	180.12	2.3945	2.2556	1.0000	180.1200
28	184	68.68	2.2648	1.8368	1.0000	68.6800
29	245	182.35	2.3892	2.2609	1.0000	182.3500
30	226	133.56	2.3541	2.1257	1.0000	133.5600
31	296	343.38	2.4713	2.5358	1.0000	343.3800
32	187	90.88	2.2718	1.9585	1.0000	90.8800
33	162	64.29	2.2095	1.8081	1.0000	64.2900
34	215	130.85	2.3324	2.1168	1.0000	130.8500
35	340	519.32	2.5315	2.7154	1.0000	519.3200
36	325	581.15	2.5119	2.7643	1.0000	581.1500
37	160	52.57	2.2041	1.7207	1.0000	52.5700
38	295	288.83	2.4698	2.4606	1.0000	288.8300
39	253	226.34	2.4031	2.3548	1.0000	226.3400
40	204	104.06	2.3096	2.0173	1.0000	104.0600
41	180	68.55	2.2553	1.8360	1.0000	68.5500
42	204	115.65	2.3096	2.0631	1.0000	115.6500
43	187	70.74	2.2718	1.8497	1.0000	70.7400
44	325	384.73	2.5119	2.5852	1.0000	384.7300
45	235	171.5	2.3711	2.2343	1.0000	171.5000
46	235	165.75	2.3711	2.2195	1.0000	165.7500
47	250	224.18	2.3979	2.3506	1.0000	224.1800
48	295	352.77	2.4698	2.5475	1.0000	352.7700
49	285	325.05	2.4548	2.5120	1.0000	325.0500
50	310	398.82	2.4914	2.6008	1.0000	398.8200
51	295	296.53	2.4698	2.4721	1.0000	296.5300
52	276	260.46	2.4409	2.4157	1.0000	260.4600
53	290	298.1	2.4624	2.4744	1.0000	298.1000
54	325	357.51	2.5119	2.5533	1.0000	357.5100
55	235	167.32	2.3711	2.2235	1.0000	167.3200
56	194	85.33	2.2878	1.9311	1.0000	85.3300
57	177	62.01	2.2480	1.7925	1.0000	62.0100
58	283	286.06	2.4518	2.4565	1.0000	286.0600
59	180	65.27	2.2553	1.8147	1.0000	65.2700
60	290	375.65	2.4624	2.5748	1.0000	375.6500
61	276	244.26	2.4409	2.3879	1.0000	244.2600
62	222	121.67	2.3464	2.0852	1.0000	121.6700

63	279	248.95	2.4456	2.3961	1.0000	248.9500
64	385	857.65	2.5855	2.9333	1.0000	857.6500
65	274	226.29	2.4378	2.3547	1.0000	226.2900
66	290	284.2	2.4624	2.4536	1.0000	284.2000
67	342	415.18	2.5340	2.6182	1.0000	415.1800
68	384	972.88	2.5843	2.9881	1.0000	972.8800
69	183	76.98	2.2625	1.8864	1.0000	76.9800
70	178	80.57	2.2504	1.9062	1.0000	80.5700
71	262	225.85	2.4183	2.3538	1.0000	225.8500
72	268	243.67	2.4281	2.3868	1.0000	243.6700
73	357	674.52	2.5527	2.8290	1.0000	674.5200
74	382	931.45	2.5821	2.9692	1.0000	931.4500
75	204	97.12	2.3096	1.9873	1.0000	97.1200
76	210	102.67	2.3222	2.0114	1.0000	102.6700
77	230	118.43	2.3617	2.0735	1.0000	118.4300
78	294	412.49	2.4683	2.6154	1.0000	412.4900
79	312	462.48	2.4942	2.6651	1.0000	462.4800
80	194	84.89	2.2878	1.9289	1.0000	84.8900
81	188	83.76	2.2742	1.9230	1.0000	83.7600
82	240	172.17	2.3802	2.2360	1.0000	172.1700
83	172	62.18	2.2355	1.7937	1.0000	62.1800
84	168	56.27	2.2253	1.7503	1.0000	56.2700
85	220	117.74	2.3424	2.0709	1.0000	117.7400
86	259	209.95	2.4133	2.3221	1.0000	209.9500
87	278	285.59	2.4440	2.4557	1.0000	285.5900
88	242	180.6	2.3838	2.2567	1.0000	180.6000
89	175	75.89	2.2430	1.8802	1.0000	75.8900
90	142	39.58	2.1523	1.5975	1.0000	39.5800
91	201	109.22	2.3032	2.0383	1.0000	109.2200
92	253	223.45	2.4031	2.3492	1.0000	223.4500
93	220	137.33	2.3424	2.1378	1.0000	137.3300
94	235	197.78	2.3711	2.2962	1.0000	197.7800
95	274	264.67	2.4378	2.4227	1.0000	264.6700
96	233	183.52	2.3674	2.2637	1.0000	183.5200
97	286	272.78	2.4564	2.4358	1.0000	272.7800
98	292	387.45	2.4654	2.5882	1.0000	387.4500
99	225	146.32	2.3522	2.1653	1.0000	146.3200
100	246	205.67	2.3909	2.3132	1.0000	205.6700
101	248	198.88	2.3945	2.2986	1.0000	198.8800
102	197	113.24	2.2945	2.0540	1.0000	113.2400
103	186	92.69	2.2695	1.9670	1.0000	92.6900
104	204	118.82	2.3096	2.0749	1.0000	118.8200
105	277	262.48	2.4425	2.4191	1.0000	262.4800
106	285	276.24	2.4548	2.4413	1.0000	276.2400
107	325	578.19	2.5119	2.7621	1.0000	578.1900
108	245	194.35	2.3892	2.2886	1.0000	194.3500
109	248	199.48	2.3945	2.2999	1.0000	199.4800
110	216	132.27	2.3345	2.1215	1.0000	132.2700

111	415	1078.85	2.6180	3.0330	1.0000	1078.8500
112	382	853.23	2.5821	2.9311	1.0000	853.2300
113	297	342.43	2.4728	2.5346	1.0000	342.4300
114	344	528.61	2.5366	2.7231	1.0000	528.6100
115	347	543.51	2.5403	2.7352	1.0000	543.5100
116	220	129.71	2.3424	2.1130	1.0000	129.7100
117	195	110.39	2.2900	2.0429	1.0000	110.3900
118	266	278.59	2.4249	2.4450	1.0000	278.5900
119	318	479.27	2.5024	2.6806	1.0000	479.2700
120	295	399.05	2.4698	2.6010	1.0000	399.0500
121	233	172.67	2.3674	2.2372	1.0000	172.6700
122	260	234.61	2.4150	2.3703	1.0000	234.6100
123	311	484.97	2.4928	2.6857	1.0000	484.9700
124	309	414.44	2.4900	2.6175	1.0000	414.4400
125	233	203.45	2.3674	2.3085	1.0000	203.4500
126	317	418.89	2.5011	2.6221	1.0000	418.8900
127	217	156.81	2.3365	2.1954	1.0000	156.8100
128	290	370.82	2.4624	2.5692	1.0000	370.8200
129	336	582.84	2.5263	2.7655	1.0000	582.8400
130	212	149.49	2.3263	2.1746	1.0000	149.4900
131	291	367.97	2.4639	2.5658	1.0000	367.9700
132	214	148.97	2.3304	2.1731	1.0000	148.9700
133	202	127.55	2.3054	2.1057	1.0000	127.5500
134	315	490.64	2.4983	2.6908	1.0000	490.6400

Lampiran 69. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Juni

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	242	184.04	2.3838	2.2649	177.7860	1.0352	1.0060	50	0.7381-1.2993
2	208	126.57	2.3181	2.1023	112.8351	1.1217			
3	205	120.42	2.3118	2.0807	108.0182	1.1148			
4	245	182.26	2.3892	2.2607	184.4870	0.9879			
5	252	208.22	2.4014	2.3185	200.7732	1.0371			
6	220	131.16	2.3424	2.1178	133.5351	0.9822			
7	327	436.88	2.5145	2.6404	439.0226	0.9951			
8	452	1125.33	2.6551	3.0513	1160.5951	0.9696			
9	578	2518.64	2.7619	3.4012	2428.6744	1.0370			
10	190	96.69	2.2788	1.9854	85.9799	1.1246			
11	206	113.77	2.3139	2.0560	109.6083	1.0380			
12	210	113.35	2.3222	2.0544	116.1247	0.9761			
13	188	87.89	2.2742	1.9439	83.2906	1.0552			
14	182	84.38	2.2601	1.9262	75.5604	1.1167			
15	175	62.45	2.2430	1.7955	67.1650	0.9298			
16	194	99.52	2.2878	1.9979	91.5311	1.0873			
17	192	96.29	2.2833	1.9836	88.7265	1.0852			
18	202	105.77	2.3054	2.0244	103.3404	1.0235			

19	220	126.9	2.3424	2.1035	133.5351	0.9503
20	284	297.87	2.4533	2.4740	287.4849	1.0361
21	257	214.35	2.4099	2.3311	212.9753	1.0065
22	254	213.72	2.4048	2.3298	205.5965	1.0395
23	356	736.25	2.5514	2.8670	566.6362	1.2993
24	300	384.69	2.4771	2.5851	338.9184	1.1351
25	179	70.55	2.2529	1.8485	71.8816	0.9815
26	182	75.37	2.2601	1.8772	75.5604	0.9975
27	186	77.66	2.2695	1.8902	80.6580	0.9628
28	172	66.98	2.2355	1.8259	63.7664	1.0504
29	229	124.68	2.3598	2.0958	150.6211	0.8278
30	253	195.98	2.4031	2.2922	203.1753	0.9646
31	267	196.22	2.4265	2.2927	238.8434	0.8215
32	323	532.12	2.5092	2.7260	423.0924	1.2577
33	336	573.67	2.5263	2.7587	476.3178	1.2044
34	288	291.28	2.4594	2.4643	299.8166	0.9715
35	282	260.67	2.4502	2.4161	281.4479	0.9262
36	245	190.37	2.3892	2.2796	184.4870	1.0319
37	193	95.99	2.2856	1.9822	90.1215	1.0651
38	256	198.69	2.4082	2.2982	210.4964	0.9439
39	269	223.38	2.4298	2.3490	244.2565	0.9145
40	196	96.43	2.2923	1.9842	94.3941	1.0216
41	276	263.68	2.4409	2.4211	263.8457	0.9994
42	281	277.88	2.4487	2.4439	278.4614	0.9979
43	289	294.58	2.4609	2.4692	302.9537	0.9724
44	186	85.88	2.2695	1.9339	80.6580	1.0647
45	195	92.45	2.2900	1.9659	92.9553	0.9946
46	263	204.33	2.4200	2.3103	228.2586	0.8952
47	262	187.72	2.4183	2.2735	225.6622	0.8319
48	257	160.8	2.4099	2.2063	212.9753	0.7550
49	255	153.55	2.4065	2.1862	208.0368	0.7381
50	298	306.88	2.4742	2.4870	332.1784	0.9238

Lampiran 70. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Juni

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	264	149.4	2.4216	2.1744	222.5492	0.6713	1.0103	22	0.6714-1.2824
2	250	187.65	2.3979	2.2733	188.8192	0.9938			
3	306	328.45	2.4857	2.5165	347.4002	0.9455			
4	321	342.67	2.5065	2.5349	401.3486	0.8538			
5	497	1879.25	2.6964	3.2740	1500.3390	1.2526			
6	212	147.24	2.3263	2.1680	114.8311	1.2822			
7	238	171.78	2.3766	2.2350	162.7821	1.0553			
8	224	164.43	2.3502	2.2160	135.5777	1.2128			
9	221	128.58	2.3444	2.1092	130.1742	0.9878			
10	266	246.24	2.4249	2.3914	227.6738	1.0815			

11	248	227.64	2.3945	2.3572	184.2995	1.2352			
12	331	510.44	2.5198	2.7079	440.2599	1.1594			
13	214	112.87	2.3304	2.0526	118.1300	0.9555			
14	229	131.55	2.3598	2.1191	144.9131	0.9078			
15	289	289.26	2.4609	2.4613	292.3831	0.9893			
16	268	218.54	2.4281	2.3395	232.8766	0.9384			
17	238	162.25	2.3766	2.2102	162.7821	0.9967			
18	212	118.64	2.3263	2.0742	114.8311	1.0332			
19	217	120.37	2.3365	2.0805	123.1962	0.9771			
20	318	358.24	2.5024	2.5542	390.1406	0.9182			
21	314	337.21	2.4969	2.5279	375.5248	0.8980			
22	308	312.35	2.4886	2.4946	354.2945	0.8816			

Lampiran 71. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Juli

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	N	Kisaran
1	270	250.63	2.4314	2.3990	234.9542	1.0667	1.0050	43	0.8070-1.3472
2	304	365.62	2.4829	2.5630	336.3580	1.0870			
3	302	329.5	2.4800	2.5179	329.7084	0.9994			
4	330	457.46	2.5185	2.6604	431.1365	1.0611			
5	382	757.9	2.5821	2.8796	671.2023	1.1292			
6	282	268.7	2.4502	2.4293	267.9858	1.0027			
7	265	244.69	2.4232	2.3886	222.0375	1.1020			
8	214	112.23	2.3304	2.0501	116.3072	0.9649			
9	216	118.06	2.3345	2.0721	119.6266	0.9869			
10	202	98.78	2.3054	1.9947	97.6770	1.0113			
11	201	95.87	2.3032	1.9817	96.2216	0.9963			
12	187	62.42	2.2718	1.7953	77.3436	0.8070			
13	224	114.25	2.3502	2.0579	133.5383	0.8556			
14	168	57.64	2.2253	1.7607	55.9323	1.0305			
15	192	84.24	2.2833	1.9255	83.7703	1.0056			
16	203	116.37	2.3075	2.0658	99.1471	1.1737			
17	332	477.7	2.5211	2.6792	439.0893	1.0879			
18	256	176.23	2.4082	2.2461	200.0014	0.8811			
19	252	164.73	2.4014	2.2168	190.6969	0.8638			
20	295	299.46	2.4698	2.4763	307.1287	0.9750			
21	292	288.74	2.4654	2.4605	297.7774	0.9697			
22	330	456.35	2.5185	2.6593	431.1365	1.0585			
23	276	246.9	2.4409	2.3925	251.1065	0.9832			
24	238	165.4	2.3766	2.2185	160.4174	1.0311			
25	167	63.66	2.2227	1.8039	54.9313	1.1589			
26	172	69.98	2.2355	1.8450	60.0587	1.1652			
27	221	138.72	2.3444	2.1421	128.2012	1.0820			
28	200	94	2.3010	1.9731	94.7807	0.9918			
29	279	257.92	2.4456	2.4115	259.4543	0.9941			

30	265	196.68	2.4232	2.2938	222.0375	0.8858
31	272	241.15	2.4346	2.3823	240.2585	1.0037
32	256	169.48	2.4082	2.2291	200.0014	0.8474
33	225	140.26	2.3522	2.1469	135.3498	1.0363
34	248	156.28	2.3945	2.1939	181.6867	0.8602
35	226	184.8	2.3541	2.2667	137.1778	1.3472
36	267	192.36	2.4265	2.2841	227.1455	0.8469
37	208	101.12	2.3181	2.0048	106.7201	0.9475
38	182	68.24	2.2601	1.8340	71.2556	0.9577
39	192	82.37	2.2833	1.9158	83.7703	0.9833
40	308	345.65	2.4886	2.5386	349.9252	0.9878
41	302	331.7	2.4800	2.5207	329.7084	1.0060
42	331	429.24	2.5198	2.6327	435.1007	0.9865
43	286	278.9	2.4564	2.4454	279.6505	0.9973

Lampiran 72. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Juli

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	315	396.58	2.4983	2.5983	401.5620	0.9876	1.0059	22	0.8628-1.3158
2	283	295.64	2.4518	2.4708	289.7363	1.0204			
3	220	131.24	2.3424	2.1181	134.5220	0.9756			
4	247	185.34	2.3927	2.2680	191.4120	0.9683			
5	248	180.12	2.3945	2.2556	193.7829	0.9295			
6	184	68.68	2.2648	1.8368	78.0453	0.8800			
7	245	182.35	2.3892	2.2609	186.7288	0.9766			
8	226	133.56	2.3541	2.1257	146.0150	0.9147			
9	296	343.38	2.4713	2.5358	332.2244	1.0336			
10	187	90.88	2.2718	1.9585	81.9874	1.1085			
11	162	64.29	2.2095	1.8081	52.9481	1.2142			
12	215	130.85	2.3324	2.1168	125.4219	1.0433			
13	340	519.32	2.5315	2.7154	506.7689	1.0248			
14	325	581.15	2.5119	2.7643	441.6785	1.3158			
15	160	52.57	2.2041	1.7207	50.9815	1.0312			
16	295	288.83	2.4698	2.4606	328.8166	0.8784			
17	253	226.34	2.4031	2.3548	205.9338	1.0991			
18	204	104.06	2.3096	2.0173	106.8762	0.9736			
19	180	68.55	2.2553	1.8360	72.9902	0.9392			
20	204	115.65	2.3096	2.0631	106.8762	1.0821			
21	187	70.74	2.2718	1.8497	81.9874	0.8628			
22	325	384.73	2.5119	2.5852	441.6785	0.8711			

Lampiran 73. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Agustus

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	226	103.5	2.3541	2.0149	134.1535	0.7715	1.0063	33	0.7715-1.3382
2	172	74.94	2.2355	1.8747	55.9989	1.3382			
3	252	213.32	2.4014	2.3290	190.0743	1.1223			
4	362	578.9	2.5587	2.7626	605.7100	0.9557			
5	353	705.47	2.5478	2.8485	558.8297	1.2624			
6	350	641.17	2.5441	2.8070	543.7749	1.1791			
7	400	871.62	2.6021	2.9403	833.6371	1.0456			
8	262	210.27	2.4183	2.3228	215.2787	0.9767			
9	265	212.65	2.4232	2.3277	223.2659	0.9525			
10	282	263.42	2.4502	2.4206	272.4113	0.9670			
11	280	245.5	2.4472	2.3901	266.2775	0.9220			
12	252	163.15	2.4014	2.2126	190.0743	0.8583			
13	258	160.83	2.4116	2.2064	204.9377	0.7848			
14	247	184.48	2.3927	2.2659	178.2684	1.0348			
15	294	312.95	2.4683	2.4955	311.2679	1.0054			
16	262	209.12	2.4183	2.3204	215.2787	0.9714			
17	246	169.51	2.3909	2.2292	175.9694	0.9633			
18	298	348.35	2.4742	2.5420	325.0224	1.0718			
19	235	138.62	2.3711	2.1418	152.0084	0.9119			
20	217	119.23	2.3365	2.0764	117.7962	1.0122			
21	222	120.29	2.3464	2.0802	126.7030	0.9494			
22	196	96.86	2.2923	1.9861	85.0535	1.1388			
23	221	113.83	2.3444	2.0563	124.8858	0.9115			
24	235	147.62	2.3711	2.1691	152.0084	0.9711			
25	175	60.54	2.2430	1.7820	59.1845	1.0229			
26	280	262.47	2.4472	2.4191	266.2775	0.9857			
27	261	216.62	2.4166	2.3357	212.6606	1.0186			
28	350	539.65	2.5441	2.7321	543.7749	0.9924			
29	374	733.03	2.5729	2.8651	672.3299	1.0903			
30	374	650.18	2.5729	2.8130	672.3299	0.9671			
31	385	737.13	2.5855	2.8675	737.6733	0.9993			
32	215	125.57	2.3324	2.0989	114.3574	1.0980			
33	496	1585.4	2.6955	3.2001	1659.2049	0.9555			

Lampiran 74. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Agustus

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	235	171.5	2.3711	2.2343	157.3098	1.0902	1.0057	23	0.8130-1.2343
2	235	165.75	2.3711	2.2195	157.3098	1.0537			
3	250	224.18	2.3979	2.3506	191.0218	1.1736			
4	295	352.77	2.4698	2.5475	321.1108	1.0986			
5	285	325.05	2.4548	2.5120	288.1743	1.1280			

6	310	398.82	2.4914	2.6008	375.1874	1.0630
7	295	296.53	2.4698	2.4721	321.1108	0.9235
8	276	260.46	2.4409	2.4157	260.5695	0.9996
9	290	298.1	2.4624	2.4744	304.3390	0.9795
10	325	357.51	2.5119	2.5533	435.1580	0.8216
11	235	167.32	2.3711	2.2235	157.3098	1.0636
12	194	85.33	2.2878	1.9311	86.1905	0.9900
13	177	62.01	2.2480	1.7925	64.6360	0.9594
14	283	286.06	2.4518	2.4565	281.8757	1.0148
15	180	65.27	2.2553	1.8147	68.1365	0.9579
16	290	375.65	2.4624	2.5748	304.3390	1.2343
17	276	244.26	2.4409	2.3879	260.5695	0.9374
18	222	121.67	2.3464	2.0852	131.5826	0.9247
19	279	248.95	2.4456	2.3961	269.5612	0.9235
20	385	857.65	2.5855	2.9333	740.5239	1.1582
21	274	226.29	2.4378	2.3547	254.6900	0.8885
22	290	284.2	2.4624	2.4536	304.3390	0.9338
23	342	415.18	2.5340	2.6182	510.6612	0.8130

Lampiran 75. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan September

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	427	1203.5	2.6304	3.0805	1103.8707	1.0903	1.0027	34	0.6096-1.2707
2	506	1935.2	2.7042	3.2867	1903.3905	1.0167			
3	205	99.67	2.3118	1.9986	104.7484	0.9515			
4	243	185.34	2.3856	2.2680	180.7897	1.0252			
5	224	146.22	2.3502	2.1650	139.2172	1.0503			
6	180	72.18	2.2553	1.8584	69.0038	1.0460			
7	182	70.85	2.2601	1.8503	71.4948	0.9910			
8	199	102.33	2.2989	2.0100	95.2232	1.0746			
9	256	231.35	2.4082	2.3643	213.7054	1.0826			
10	265	216.98	2.4232	2.3364	238.7681	0.9087			
11	184	65.67	2.2648	1.8174	74.0471	0.8869			
12	214	105.45	2.3304	2.0230	120.2363	0.8770			
13	242	187.65	2.3838	2.2733	178.4127	1.0518			
14	286	330.54	2.4564	2.5192	304.9819	1.0838			
15	259	183.68	2.4133	2.2641	221.8476	0.8280			
16	266	217.37	2.4249	2.3372	241.6719	0.8994			
17	271	292.58	2.4330	2.4662	256.5566	1.1404			
18	305	449.72	2.4843	2.6529	374.9095	1.1995			
19	259	278.18	2.4133	2.4443	221.8476	1.2539			
20	221	106.15	2.3444	2.0259	133.3211	0.7962			
21	225	114.34	2.3522	2.0582	141.2217	0.8096			
22	321	487.64	2.5065	2.6881	441.7668	1.1038			
23	303	314.36	2.4814	2.4974	367.0763	0.8564			
24	225	124.67	2.3522	2.0958	141.2217	0.8828			

25	242	169.48	2.3838	2.2291	178.4127	0.9499
26	276	165.86	2.4409	2.2197	272.0606	0.6096
27	192	87.25	2.2833	1.9408	84.8848	1.0279
28	234	170.08	2.3692	2.2307	160.1656	1.0619
29	161	52.78	2.2068	1.7225	48.2376	1.0942
30	190	84.04	2.2788	1.9245	82.0795	1.0239
31	216	134.15	2.3345	2.1276	123.8802	1.0829
32	192	99.23	2.2833	1.9966	84.8848	1.1690
33	179	74.18	2.2529	1.8703	67.7810	1.0944
34	243	193.54	2.3856	2.3856	180.7897	1.0705

Lampiran 76. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	384	972.88	2.5843	2.9881	845.9766	1.1500	1.0066	24	0.778-1.1635
2	183	76.98	2.2625	1.8864	75.1044	1.0250			
3	178	80.57	2.2504	1.9062	68.6050	1.1744			
4	262	225.85	2.4183	2.3538	242.5948	0.9310			
5	268	243.67	2.4281	2.3868	261.2228	0.9328			
6	357	674.52	2.5527	2.8290	666.6601	1.0118			
7	382	931.45	2.5821	2.9692	831.6651	1.1200			
8	204	97.12	2.3096	1.9873	107.1065	0.9068			
9	210	102.67	2.3222	2.0114	117.7467	0.8720			
10	230	118.43	2.3617	2.0735	158.5027	0.7472			
11	294	412.49	2.4683	2.6154	353.5079	1.1668			
12	312	462.48	2.4942	2.6651	429.2599	1.0774			
13	194	84.89	2.2878	1.9289	90.8855	0.9340			
14	188	83.76	2.2742	1.9230	82.0192	1.0212			
15	240	172.17	2.3802	2.2360	182.1496	0.9452			
16	172	62.18	2.2355	1.7937	61.3338	1.0138			
17	168	56.27	2.2253	1.7503	56.7950	0.9908			
18	220	117.74	2.3424	2.0709	137.0756	0.8589			
19	259	209.95	2.4133	2.3221	233.6361	0.8986			
20	278	285.59	2.4440	2.4557	294.4384	0.9699			
21	242	180.6	2.3838	2.2567	187.1562	0.9650			
22	175	75.89	2.2430	1.8802	64.8988	1.1694			
23	142	39.58	2.1523	1.5975	32.7888	1.2071			
24	201	109.22	2.3032	2.0383	102.0454	1.0703			

Lampiran 77. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan Oktober

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	293	425.87	2.46687	2.62928	378.6852	1.1246	1.0039	30	0.8321-11868
2	235	196.45	2.37107	2.29325	189.3979	1.0372			
3	298	395.63	2.47422	2.59729	399.3559	0.9907			
4	226	144.21	2.35411	2.15900	167.5353	0.8608			
5	276	317.29	2.44091	2.50146	313.8655	1.0109			
6	250	232.99	2.39794	2.36734	230.0273	1.0129			
7	316	516.87	2.49969	2.71338	480.1345	1.0765			
8	302	435.99	2.48001	2.63948	416.4362	1.0470			
9	191	117.21	2.28103	2.06896	98.7598	1.1868			
10	218	124.48	2.33846	2.09510	149.6043	0.8321			
11	226	157.54	2.35411	2.19739	167.5353	0.9403			
12	221	148.87	2.34439	2.17281	156.1666	0.9533			
13	235	192.44	2.37107	2.28430	189.3979	1.0161			
14	222	145.65	2.34635	2.16331	158.3969	0.9195			
15	256	215.54	2.40824	2.33353	247.8171	0.8698			
16	327	583.28	2.51455	2.76588	534.6133	1.0910			
17	242	218.99	2.38382	2.34042	207.6895	1.0544			
18	337	614.06	2.52763	2.78821	587.6655	1.0449			
19	319	525.27	2.50379	2.72038	494.5978	1.0620			
20	305	451.42	2.48430	2.65458	429.5683	1.0509			
21	292	388.99	2.46538	2.58994	374.6405	1.0383			
22	274	284.27	2.43775	2.45373	306.7770	0.9266			
23	232	197.45	2.36549	2.29546	181.9068	1.0854			
24	208	125.76	2.31806	2.09954	129.0892	0.9742			
25	194	116.33	2.28780	2.06569	103.7145	1.1216			
26	202	124.78	2.30535	2.09614	117.7504	1.0597			
27	324	484.66	2.51055	2.68544	519.3585	0.9332			
28	332	575.96	2.52114	2.76039	560.7118	1.0272			
29	325	489.42	2.51188	2.68968	524.4100	0.9333			
30	313	388.82	2.49554	2.58975	465.9623	0.8344			

Lampiran 78. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan Oktober

No.	PT (cm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	253	223.45	2.4031	2.3492	220.9554	1.0113	1.0039	24	0.9388-1.2195
2	220	137.33	2.3424	2.1378	144.2985	0.9517			
3	235	197.78	2.3711	2.2962	176.4368	1.1210			
4	274	264.67	2.4378	2.4227	281.7589	0.9393			
5	233	183.52	2.3674	2.2637	171.8989	1.0676			
6	286	272.78	2.4564	2.4358	321.0913	0.8495			
7	292	387.45	2.4654	2.5882	342.0717	1.1327			
8	225	146.32	2.3522	2.1653	154.5309	0.9469			
9	246	205.67	2.3909	2.3132	202.8413	1.0139			
10	248	198.88	2.3945	2.2986	207.9107	0.9566			
11	197	113.24	2.2945	2.0540	103.0533	1.0988			
12	186	92.69	2.2695	1.9670	86.4947	1.0716			
13	204	118.82	2.3096	2.0749	114.6280	1.0366			
14	277	262.48	2.4425	2.4191	291.2695	0.9012			
15	285	276.24	2.4548	2.4413	317.6809	0.8696			
16	325	578.19	2.5119	2.7621	474.1092	1.2195			
17	245	194.35	2.3892	2.2886	200.3380	0.9701			
18	248	199.48	2.3945	2.2999	207.9107	0.9595			
19	216	132.27	2.3345	2.1215	136.4481	0.9694			
20	415	1078.85	2.6180	3.0330	998.9217	1.0800			
21	382	853.23	2.5821	2.9311	775.9408	1.0996			
22	297	342.43	2.4728	2.5346	360.2436	0.9506			
23	344	528.61	2.5366	2.7231	563.7709	0.9376			
24	347	543.51	2.5403	2.7352	578.8939	0.9389			

Lampiran 79. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan pada bulan November

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	217	134.74	2.3365	2.1295	147.0063	0.9166	1.0024	27	0.8350-1.1215
2	205	119.28	2.3118	2.0766	123.7671	0.9637			
3	305	425.07	2.4843	2.6285	411.6465	1.0326			
4	231	184.99	2.3636	2.2671	177.6095	1.0416			
5	274	296.92	2.4378	2.4726	297.6608	0.9975			
6	217	122.76	2.3365	2.0891	147.0063	0.8351			
7	222	141.62	2.3464	2.1511	157.4929	0.8992			
8	197	110.7	2.2945	2.0441	109.7270	1.0089			
9	213	124.5	2.3284	2.0952	138.9616	0.8959			
10	312	461.25	2.4942	2.6639	440.8930	1.0462			
11	257	256.57	2.4099	2.4092	245.2331	1.0462			
12	298	412.64	2.4742	2.6156	383.7280	1.0753			
13	246	222.23	2.3909	2.3468	214.8392	1.0344			
14	202	128.1	2.3054	2.1075	118.3692	1.0822			
15	214	139.21	2.3304	2.1437	140.9444	0.9877			

16	319	440.63	2.5038	2.6441	471.4988	0.9345			
17	332	518.35	2.5211	2.7146	532.0509	0.9742			
18	315	473.28	2.4983	2.6751	453.8415	1.0428			
19	222	163.37	2.3464	2.2132	157.4929	1.0373			
20	270	304.61	2.4314	2.4837	284.7100	1.0699			
21	209	147.17	2.3201	2.1678	131.2172	1.1216			
22	208	132.69	2.3181	2.1228	129.3273	1.0260			
23	342	534.21	2.5340	2.7277	582.0189	0.9179			
24	344	564.93	2.5366	2.7520	592.3753	0.9537			
25	300	402.26	2.4771	2.6045	391.5710	1.0273			
26	227	185.14	2.3560	2.2675	168.4689	1.0990			
27	245	211.57	2.3892	2.3255	212.2084	0.9970			

Lampiran 80. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina pada bulan November

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	220	129.71	2.3424	2.1130	156.9247	0.8266	1.0026	19	0.8265-1.0901
2	195	110.39	2.2900	2.0429	109.0320	1.0125			
3	266	278.59	2.4249	2.4450	278.3555	1.0008			
4	318	479.27	2.5024	2.6806	477.1738	1.0044			
5	295	399.05	2.4698	2.6010	380.4133	1.0490			
6	233	172.67	2.3674	2.2372	186.6183	0.9253			
7	260	234.61	2.4150	2.3703	259.8310	0.9029			
8	311	484.97	2.4928	2.6857	446.1664	1.0870			
9	309	414.44	2.4900	2.6175	437.5615	0.9472			
10	233	203.45	2.3674	2.3085	186.6183	1.0902			
11	317	418.89	2.5011	2.6221	472.6587	0.8862			
12	217	156.81	2.3365	2.1954	150.5538	1.0416			
13	290	370.82	2.4624	2.5692	361.2815	1.0264			
14	336	582.84	2.5263	2.7655	563.4524	1.0344			
15	212	149.49	2.3263	2.1746	140.3240	1.0653			
16	291	367.97	2.4639	2.5658	365.0552	1.0080			
17	214	148.97	2.3304	2.1731	144.3582	1.0319			
18	202	127.55	2.3054	2.1057	121.2799	1.0517			
19	315	490.64	2.4983	2.6908	463.7143	1.0581			

Lampiran 81. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan TKG I

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	242	184.04	2.3838	2.2649	180.9320	1.0172	1.0091	164	0.6081-1.2855
2	205	120.42	2.3118	2.0807	107.7806	1.1173			
3	245	182.26	2.3892	2.2607	188.0270	0.9693			
4	252	208.22	2.4014	2.3185	205.3128	1.0142			
5	220	131.16	2.3424	2.1178	134.3656	0.9761			
6	327	436.88	2.5145	2.6404	463.0837	0.9434			
7	578	2518.64	2.7619	3.4012	2741.4206	0.9187			
8	190	96.69	2.2788	1.9854	85.0187	1.1373			
9	206	113.77	2.3139	2.0560	109.4305	1.0397			
10	210	113.35	2.3222	2.0544	116.2020	0.9755			
11	188	87.89	2.2742	1.9439	82.2558	1.0685			
12	182	84.38	2.2601	1.9262	74.3342	1.1351			
13	175	62.45	2.2430	1.7955	65.7675	0.9496			
14	194	99.52	2.2878	1.9979	90.7324	1.0969			
15	220	126.9	2.3424	2.1035	134.3656	0.9444			
16	284	297.87	2.4533	2.4740	298.1964	0.9989			
17	356	736.25	2.5514	2.8670	603.7646	1.2194			
18	300	384.69	2.4771	2.5851	353.8463	1.0872			
19	179	70.55	2.2529	1.8485	70.5754	0.9996			
20	182	75.37	2.2601	1.8772	74.3342	1.0139			
21	186	77.66	2.2695	1.8902	79.5546	0.9762			
22	172	66.98	2.2355	1.8259	62.3112	1.0749			
23	229	124.68	2.3598	2.0958	152.2827	0.8187			
24	267	196.22	2.4265	2.2927	245.9298	0.7979			
25	323	532.12	2.5092	2.7260	445.6273	1.1941			
26	288	291.28	2.4594	2.4643	311.5056	0.9351			
27	282	260.67	2.4502	2.4161	291.6892	0.8937			
28	245	190.37	2.3892	2.2796	188.0270	1.0125			
29	193	95.99	2.2856	1.9822	89.2803	1.0752			
30	256	198.69	2.4082	2.2982	215.6595	0.9213			
31	269	223.38	2.4298	2.3490	251.7269	0.8874			
32	196	96.43	2.2923	1.9842	93.6848	1.0293			
33	276	263.68	2.4409	2.4211	272.7476	0.9668			
34	281	277.88	2.4487	2.4439	288.4721	0.9633			
35	289	294.58	2.4609	2.4692	314.8948	0.9355			
36	186	85.88	2.2695	1.9339	79.5546	1.0795			
37	195	92.45	2.2900	1.9659	92.2006	1.0027			
38	263	204.33	2.4200	2.3103	234.6092	0.8709			
39	262	187.72	2.4183	2.2735	231.8354	0.8097			
40	257	160.8	2.4099	2.2063	218.3004	0.7366			
41	255	153.55	2.4065	2.1862	213.0403	0.7208			
42	270	250.63	2.4314	2.3990	254.6599	0.9842			
43	302	329.5	2.4800	2.5179	361.2632	0.9121			
44	282	268.7	2.4502	2.4293	291.6892	0.9212			

45	265	244.69	2.4232	2.3886	240.2242	1.0186
46	216	118.06	2.3345	2.0721	126.8847	0.9305
47	202	98.78	2.3054	1.9947	102.9324	0.9597
48	201	95.87	2.3032	1.9817	101.3499	0.9459
49	187	62.42	2.2718	1.7953	80.8975	0.7716
50	224	114.25	2.3502	2.0579	142.1408	0.8038
51	168	57.64	2.2253	1.7607	57.8978	0.9955
52	203	116.37	2.3075	2.0658	104.5317	1.1133
53	238	165.4	2.3766	2.2185	171.7581	0.9630
54	167	63.66	2.2227	1.8039	56.8287	1.1202
55	221	138.72	2.3444	2.1421	136.2816	1.0179
56	200	94	2.3010	1.9731	99.7840	0.9420
57	272	241.15	2.4346	2.3823	260.5956	0.9254
58	256	169.48	2.4082	2.2291	215.6595	0.7859
59	225	140.26	2.3522	2.1469	144.1313	0.9731
60	226	184.8	2.3541	2.2667	146.1406	1.2645
61	267	192.36	2.4265	2.2841	245.9298	0.7822
62	208	101.12	2.3181	2.0048	112.7817	0.8966
63	182	68.24	2.2601	1.8340	74.3342	0.9180
64	302	331.7	2.4800	2.5207	361.2632	0.9182
65	331	429.24	2.5198	2.6327	480.9992	0.8924
66	226	103.5	2.3541	2.0149	146.1406	0.7082
67	172	74.94	2.2355	1.8747	62.3112	1.2027
68	252	213.32	2.4014	2.3290	205.3128	1.0390
69	362	578.9	2.5587	2.7626	636.1050	0.9101
70	353	705.47	2.5478	2.8485	588.0219	1.1997
71	350	641.17	2.5441	2.8070	572.5604	1.1198
72	400	871.62	2.6021	2.9403	868.7027	1.0034
73	262	210.27	2.4183	2.3228	231.8354	0.9070
74	265	212.65	2.4232	2.3277	240.2242	0.8852
75	282	263.42	2.4502	2.4206	291.6892	0.9031
76	280	245.5	2.4472	2.3901	285.2792	0.8606
77	252	163.15	2.4014	2.2126	205.3128	0.7946
78	258	160.83	2.4116	2.2064	220.9632	0.7279
79	247	184.48	2.3927	2.2659	192.8606	0.9565
80	294	312.95	2.4683	2.4955	332.2176	0.9420
81	262	209.12	2.4183	2.3204	231.8354	0.9020
82	246	169.51	2.3909	2.2292	190.4334	0.8901
83	298	348.35	2.4742	2.5420	346.5336	1.0052
84	235	138.62	2.3711	2.1418	165.0889	0.8397
85	217	119.23	2.3365	2.0764	128.7277	0.9262
86	222	120.29	2.3464	2.0802	138.2161	0.8703
87	196	96.86	2.2923	1.9861	93.6848	1.0339
88	221	113.83	2.3444	2.0563	136.2816	0.8353
89	235	147.62	2.3711	2.1691	165.0889	0.8942
90	175	60.54	2.2430	1.7820	65.7675	0.9205
91	280	262.47	2.4472	2.4191	285.2792	0.9200
92	261	216.62	2.4166	2.3357	229.0841	0.9456

93	427	1203.54	2.6304	3.0805	1065.2098	1.1299
94	506	1935.21	2.7042	3.2867	1809.6556	1.0694
95	205	99.67	2.3118	1.9986	107.7806	0.9247
96	224	146.22	2.3502	2.1650	142.1408	1.0287
97	180	72.18	2.2553	1.8584	71.8136	1.0051
98	182	70.85	2.2601	1.8503	74.3342	0.9531
99	199	102.33	2.2989	2.0100	98.2346	1.0417
100	256	231.35	2.4082	2.3643	215.6595	1.0728
101	184	65.67	2.2648	1.8174	76.9143	0.8538
102	214	105.45	2.3304	2.0230	123.2527	0.8556
103	242	187.65	2.3838	2.2733	180.9320	1.0371
104	286	330.54	2.4564	2.5192	304.8016	1.0844
105	266	217.37	2.4249	2.3372	243.0656	0.8943
106	305	449.72	2.4843	2.6529	372.5856	1.2070
107	221	106.15	2.3444	2.0259	136.2816	0.7789
108	225	114.34	2.3522	2.0582	144.1313	0.7933
109	303	314.36	2.4814	2.4974	365.0110	0.8612
110	225	124.67	2.3522	2.0958	144.1313	0.8650
111	242	169.48	2.3838	2.2291	180.9320	0.9367
112	276	165.86	2.4409	2.2197	272.7476	0.6081
113	192	87.25	2.2833	1.9408	87.8440	0.9932
114	234	170.08	2.3692	2.2307	162.9056	1.0440
115	161	52.78	2.2068	1.7225	50.6941	1.0411
116	190	84.04	2.2788	1.9245	85.0187	0.9885
117	216	134.15	2.3345	2.1276	126.8847	1.0573
118	192	99.23	2.2833	1.9966	87.8440	1.1296
119	179	74.18	2.2529	1.8703	70.5754	1.0511
120	243	193.54	2.3856	2.2868	183.2764	1.0560
121	235	196.45	2.3711	2.2933	165.0889	1.1900
122	298	395.63	2.4742	2.5973	346.5336	1.1417
123	226	144.21	2.3541	2.1590	146.1406	0.9868
124	250	232.99	2.3979	2.3673	200.2683	1.1634
125	316	516.87	2.4997	2.7134	416.1643	1.2420
126	302	435.99	2.4800	2.6395	361.2632	1.2068
127	218	124.48	2.3385	2.0951	130.5888	0.9532
128	226	157.54	2.3541	2.1974	146.1406	1.0780
129	221	148.87	2.3444	2.1728	136.2816	1.0924
130	235	192.44	2.3711	2.2843	165.0889	1.1657
131	222	145.65	2.3464	2.1633	138.2161	1.0538
132	337	614.06	2.5276	2.7882	508.7469	1.2070
133	305	451.42	2.4843	2.6546	372.5856	1.2116
134	292	388.99	2.4654	2.5899	325.2128	1.1961
135	274	284.27	2.4378	2.4537	266.6245	1.0662
136	232	197.45	2.3655	2.2955	158.5980	1.2450
137	208	125.76	2.3181	2.0995	112.7817	1.1151
138	194	116.33	2.2878	2.0657	90.7324	1.2821
139	202	124.78	2.3054	2.0961	102.9324	1.2123
140	324	484.66	2.5105	2.6854	449.9487	1.0771

141	332	575.96	2.5211	2.7604	485.5505	1.1862
142	325	489.42	2.5119	2.6897	454.2985	1.0773
143	313	388.82	2.4955	2.5897	403.9533	0.9625
144	217	134.74	2.3365	2.1295	128.7277	1.0467
145	205	119.28	2.3118	2.0766	107.7806	1.1067
146	217	122.76	2.3365	2.0891	128.7277	0.9536
147	222	141.62	2.3464	2.1511	138.2161	1.0246
148	197	110.7	2.2945	2.0441	95.1851	1.1630
149	213	124.5	2.3284	2.0952	121.4635	1.0250
150	312	461.25	2.4942	2.6639	399.9378	1.1533
151	257	256.57	2.4099	2.4092	218.3004	1.1753
152	298	412.64	2.4742	2.6156	346.5336	1.1908
153	246	222.23	2.3909	2.3468	190.4334	1.1670
154	202	128.1	2.3054	2.1075	102.9324	1.2445
155	214	139.21	2.3304	2.1437	123.2527	1.1295
156	319	440.63	2.5038	2.6441	428.6237	1.0280
157	222	163.37	2.3464	2.2132	138.2161	1.1820
158	270	304.61	2.4314	2.4837	254.6599	1.1961
159	209	147.17	2.3201	2.1678	114.4832	1.2855
160	208	132.69	2.3181	2.1228	112.7817	1.1765
161	344	564.93	2.5366	2.7520	542.4710	1.0414
162	300	402.26	2.4771	2.6045	353.8463	1.1368
163	227	185.14	2.3560	2.2675	148.1689	1.2495
164	245	211.57	2.3892	2.3255	188.0270	1.1252

Lampiran 82. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina TKG I

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	264	149.4	2.4216	2.1744	237.5844	0.6288	1.0074	144	0.6288-1.2989
2	250	187.65	2.3979	2.2733	201.2617	0.9324			
3	306	328.45	2.4857	2.5165	372.4396	0.8819			
4	321	342.67	2.5065	2.5349	430.8657	0.7953			
5	497	1879.25	2.6964	3.2740	1630.9462	1.1522			
6	212	147.24	2.3263	2.1680	121.8222	1.2086			
7	238	171.78	2.3766	2.2350	173.2649	0.9914			
8	224	164.43	2.3502	2.2160	144.0585	1.1414			
9	221	128.58	2.3444	2.1092	138.2637	0.9300			
10	266	246.24	2.4249	2.3914	243.1076	1.0129			
11	248	227.64	2.3945	2.3572	196.3990	1.1591			
12	214	112.87	2.3304	2.0526	125.3556	0.9004			
13	229	131.55	2.3598	2.1191	154.0752	0.8538			
14	289	289.26	2.4609	2.4613	312.9449	0.9243			
15	268	218.54	2.4281	2.3395	248.7164	0.8787			
16	238	162.25	2.3766	2.2102	173.2649	0.9364			
17	212	118.64	2.3263	2.0742	121.8222	0.9739			
18	217	120.37	2.3365	2.0805	130.7837	0.9204			
19	318	358.24	2.5024	2.5542	418.7209	0.8556			

20	314	337.21	2.4969	2.5279	402.8885	0.8370
21	308	312.35	2.4886	2.4946	379.9015	0.8222
22	315	396.58	2.4983	2.5983	406.8082	0.9749
23	283	295.64	2.4518	2.4708	293.5781	1.0070
24	220	131.24	2.3424	2.1181	136.3675	0.9624
25	247	185.34	2.3927	2.2680	193.9975	0.9554
26	248	180.12	2.3945	2.2556	196.3990	0.9171
27	184	68.68	2.2648	1.8368	79.1414	0.8678
28	245	182.35	2.3892	2.2609	189.2538	0.9635
29	226	133.56	2.3541	2.1257	148.0110	0.9024
30	296	343.38	2.4713	2.5358	336.6025	1.0201
31	187	90.88	2.2718	1.9585	83.1364	1.0931
32	162	64.29	2.2095	1.8081	53.7040	1.1971
33	215	130.85	2.3324	2.1168	127.1478	1.0291
34	340	519.32	2.5315	2.7154	513.3191	1.0117
35	325	581.15	2.5119	2.7643	447.4236	1.2989
36	160	52.57	2.2041	1.7207	51.7105	1.0166
37	295	288.83	2.4698	2.4606	333.1517	0.8670
38	253	226.34	2.4031	2.3548	208.7065	1.0845
39	204	104.06	2.3096	2.0173	108.3572	0.9603
40	180	68.55	2.2553	1.8360	74.0182	0.9261
41	204	115.65	2.3096	2.0631	108.3572	1.0673
42	187	70.74	2.2718	1.8497	83.1364	0.8509
43	325	384.73	2.5119	2.5852	447.4236	0.8599
44	235	171.5	2.3711	2.2343	166.7000	1.0288
45	235	165.75	2.3711	2.2195	166.7000	0.9943
46	250	224.18	2.3979	2.3506	201.2617	1.1139
47	295	352.77	2.4698	2.5475	333.1517	1.0589
48	285	325.05	2.4548	2.5120	299.9415	1.0837
49	310	398.82	2.4914	2.6008	387.4632	1.0293
50	295	296.53	2.4698	2.4721	333.1517	0.8901
51	276	260.46	2.4409	2.4157	272.0208	0.9575
52	290	298.1	2.4624	2.4744	316.2539	0.9426
53	325	357.51	2.5119	2.5533	447.4236	0.7990
54	235	167.32	2.3711	2.2235	166.7000	1.0037
55	194	85.33	2.2878	1.9311	92.9801	0.9177
56	177	62.01	2.2480	1.7925	70.3254	0.8818
57	283	286.06	2.4518	2.4565	293.5781	0.9744
58	180	65.27	2.2553	1.8147	74.0182	0.8818
59	290	375.65	2.4624	2.5748	316.2539	1.1878
60	276	244.26	2.4409	2.3879	272.0208	0.8979
61	222	121.67	2.3464	2.0852	140.1776	0.8680
62	279	248.95	2.4456	2.3961	281.1246	0.8856
63	183	76.98	2.2625	1.8864	77.8390	0.9890
64	178	80.57	2.2504	1.9062	71.5422	1.1262
65	262	225.85	2.4183	2.3538	232.1461	0.9729
66	268	243.67	2.4281	2.3868	248.7164	0.9797

Lampiran 83. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan TKG II

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	208	126.57	2.3181	2.1023	120.6768	1.048835	1.0060	37	0.7966-1.2818
2	452	1125.33	2.6551	3.0513	1196.473	0.940539			
3	192	96.29	2.2833	1.9836	95.25301	1.010887			
4	202	105.77	2.3054	2.0244	110.6755	0.955677			
5	257	214.35	2.4099	2.3311	225.5067	0.950526			
6	254	213.72	2.4048	2.3298	217.8148	0.981201			
7	336	573.67	2.5263	2.7587	497.9852	1.151982			
8	304	365.62	2.4829	2.5630	370.4646	0.986923			
9	330	457.46	2.5185	2.6604	472.1581	0.96887			
10	382	757.9	2.5821	2.8796	727.6422	1.041583			
11	214	112.23	2.3304	2.0501	131.2585	0.855031			
12	192	84.24	2.2833	1.9255	95.25301	0.884382			
13	295	299.46	2.4698	2.4763	338.9773	0.883422			
14	292	288.74	2.4654	2.4605	328.8895	0.877924			
15	330	456.35	2.5185	2.6593	472.1581	0.96652			
16	276	246.9	2.4409	2.3925	278.4286	0.886762			
17	172	69.98	2.2355	1.8450	68.81429	1.01694			
18	265	196.68	2.4232	2.2938	246.8922	0.796623			
19	308	345.65	2.4886	2.5386	385.0582	0.897657			
20	286	278.9	2.4564	2.4454	309.3138	0.901673			
21	350	539.65	2.5441	2.7321	561.8452	0.960496			
22	374	733.03	2.5729	2.8651	683.5183	1.072436			
23	374	650.18	2.5729	2.8130	683.5183	0.951225			
24	385	737.13	2.5855	2.8675	744.6623	0.989885			
25	243	185.34	2.3856	2.2680	191.0986	0.969866			
26	265	216.98	2.4232	2.3364	246.8922	0.878845			
27	293	425.87	2.4669	2.6293	332.2297	1.281854			
28	276	317.29	2.4409	2.5015	278.4286	1.139574			
29	191	117.21	2.2810	2.0690	93.79413	1.249652			
30	256	215.54	2.4082	2.3335	222.9231	0.96688			
31	242	218.99	2.3838	2.3404	188.7836	1.160005			
32	305	425.07	2.4843	2.6285	374.078	1.136314			
33	231	184.99	2.3636	2.2671	164.5318	1.124342			
34	274	296.92	2.4378	2.4726	272.5074	1.089585			
35	332	518.35	2.5211	2.7146	480.6661	1.078399			
36	315	473.28	2.4983	2.6751	411.5031	1.150125			
37	342	534.21	2.5340	2.7277	524.7303	1.018066			

Lampiran 84. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina TKG II

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	331	510.44	2.5198	2.7079	539.2243	0.6138	0.8649	14	0.4128-1.3715
2	274	226.29	2.4378	2.3547	269.3894	1.0171			
3	290	284.2	2.4624	2.4536	331.8074	0.8740			
4	384	972.88	2.5843	2.9881	930.3059	0.4128			
5	382	931.45	2.5821	2.9692	912.6372	0.4186			
6	294	412.49	2.4683	2.6154	348.9250	0.8426			
7	274	264.67	2.4378	2.4227	269.3894	1.0171			
8	286	272.78	2.4564	2.4358	315.3092	0.9070			
9	292	387.45	2.4654	2.5882	340.2879	0.8581			
10	285	276.24	2.4548	2.4413	311.2798	0.9156			
11	245	194.35	2.3892	2.2886	178.6397	1.3715			
12	266	278.59	2.4249	2.4450	241.6160	1.1009			
13	260	234.61	2.4150	2.3703	222.1992	1.1701			
14	336	582.84	2.5263	2.7655	569.7429	0.5897			

Lampiran 85. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan TKG III

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	252	164.73	2.4014	2.2168	170.3723	0.9668	1.0004	4	0.9668-1.0477
2	271	252.58	2.4330	2.4024	241.0613	1.0477			
3	327	583.28	2.5145	2.7659	591.0619	0.9868			
4	319	525.27	2.5038	2.7204	525.1364	1.0002			

Lampiran 86. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina TKG III

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	342	415.18	2.5340	2.6182	487.7896	0.8511	1.0150	3	0.8511-1.2655
2	325	578.19	2.5119	2.7621	456.8548	1.2656			
3	291	367.97	2.4639	2.5658	396.3772	0.9283			

Lampiran 87. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) jantan TKG IV

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	253	195.98	2.4031	2.2922	195.1786	1.0041	1.0078	12	0.8529-1.3233
2	298	306.88	2.4742	2.4870	327.6907	0.9365			
3	332	477.7	2.5211	2.6792	461.2972	1.0356			
4	256	176.23	2.4082	2.2461	202.5985	0.8698			
5	279	257.92	2.4456	2.4115	266.0121	0.9696			
6	248	156.28	2.3945	2.1939	183.2288	0.8529			
7	192	82.37	2.2833	1.9158	81.50438	1.0106			
8	215	125.57	2.3324	2.0989	116.603	1.0769			
9	496	1585.38	2.6955	3.2001	1643.661	0.9645			
10	259	183.68	2.4133	2.2641	210.2091	0.8738			
11	259	278.18	2.4133	2.4443	210.2091	1.3233			
12	321	487.64	2.5065	2.6881	414.6335	1.1761			

Lampiran 88. Faktor kondisi ikan belanak ekor tegak, *Ellochelon vaigiensis* (Quoy & Giamard, 1825) betina TKG IV

No.	PT (mm)	BT (g)	Log L	Log W	W*	FK	Rataan	n	Kisaran
1	385	857.65	2.5855	2.9333	858.2751	0.9992	1.00004	3	0.9887-1.0121
2	295	399.05	2.4698	2.6010	394.2592	1.0121			
3	290	370.82	2.4624	2.5692	375.0526	0.9887			