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## **LAMPIRAN**

Lampiran 1. Panjang tubuh (mm), bobot tubuh (g), tingkat kematangan gonad (TKG), bobot tubuh dugaan ( $W^*$ ) dan faktor kondisi ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan yang tertangkap di Perairan Teluk Bone.

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	$W^*$	Faktor kondisi
1	107	12.91	I	10.4793	0.1311
2	131	20.79	I	19.5284	0.2111
3	132	20.85	I	19.9905	0.2118
4	140	21.26	I	23.9567	0.2159
5	142	26.37	I	25.0251	0.2678
6	143	24.31	I	25.5711	0.2469
7	144	24.99	I	26.1251	0.2538
8	144	25.78	I	26.1251	0.2618
9	148	28.15	I	28.4223	0.2859
10	157	32.62	I	34.0815	0.3313
11	159	34.98	I	35.4347	0.3553
12	164	37.46	I	38.9753	0.3804
13	171	53.02	I	44.3225	0.5385
14	173	55.08	I	45.9364	0.5594
15	174	51.89	I	46.7581	0.5270
16	175	46.01	I	47.5896	0.4673
17	175	53.50	I	47.5896	0.5433
18	176	54.68	II	48.4310	0.5553
19	177	46.47	I	49.2824	0.4720
20	178	53.77	I	50.1439	0.5461
21	178	54.65	I	50.1439	0.5550
22	179	52.42	I	51.0155	0.5324
23	180	55.49	I	51.8972	0.5636
24	180	54.51	I	51.8972	0.5536
25	180	56.16	I	51.8972	0.5704
26	180	52.29	I	51.8972	0.5311
27	180	58.19	I	51.8972	0.5910
28	182	55.86	II	53.6914	0.5673
29	182	55.46	II	53.6914	0.5633
30	182	59.62	I	53.6914	0.6055
31	183	57.17	I	54.6040	0.5806
32	183	57.42	I	54.6040	0.5832
33	183	64.69	II	54.6040	0.6570
34	183	64.92	II	54.6040	0.6593
35	183	61.01	I	54.6040	0.6196

## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
36	183	64.19	II	54.6040	0.6519
37	183	56.89	II	54.6040	0.5778
38	184	61.28	II	55.5270	0.6224
39	184	60.30	I	55.5270	0.6124
40	184	58.69	I	55.5270	0.5961
41	184	67.26	II	55.5270	0.6831
42	184	59.76	I	55.5270	0.6069
43	184	59.27	I	55.5270	0.6019
44	184	56.64	I	55.5270	0.5752
45	185	66.44	II	56.4605	0.6748
46	185	59.90	II	56.4605	0.6083
47	185	60.75	I	56.4605	0.6170
48	185	57.15	I	56.4605	0.5804
49	185	56.28	I	56.4605	0.5716
50	185	56.96	I	56.4605	0.5785
51	185	64.34	II	56.4605	0.6534
52	185	56.02	I	56.4605	0.5689
53	185	56.24	I	56.4605	0.5712
54	185	60.73	I	56.4605	0.6168
55	185	61.95	I	56.4605	0.6292
56	186	60.51	I	57.4045	0.6145
57	188	62.59	II	59.3244	0.6357
58	188	64.06	II	59.3244	0.6506
59	188	62.75	II	59.3244	0.6373
60	189	59.45	I	60.3004	0.6038
61	189	62.74	II	60.3004	0.6372
62	189	62.18	II	60.3004	0.6315
63	189	66.98	II	60.3004	0.6803
64	189	74.30	II	60.3004	0.7546
65	189	66.42	II	60.3004	0.6746
66	189	62.42	I	60.3004	0.6339
67	190	62.59	II	61.2872	0.6357
68	190	59.18	II	61.2872	0.6010
69	190	70.36	II	61.2872	0.7146
70	190	66.48	II	61.2872	0.6752
71	190	70.09	II	61.2872	0.7118
72	190	66.38	II	61.2872	0.6742

## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
73	190	64.06	II	61.2872	0.6506
74	190	65.64	I	61.2872	0.6666
75	190	65.88	I	61.2872	0.6691
76	190	66.59	I	61.2872	0.6763
77	190	67.55	II	61.2872	0.6860
78	190	61.79	I	61.7846	0.6275
79	191	63.97	II	62.2848	0.6497
80	191	63.12	I	62.2848	0.6410
81	191	67.79	II	62.2848	0.6885
82	191	70.89	II	62.2848	0.7200
83	191	66.82	II	62.2848	0.6786
84	191	68.39	I	62.2848	0.6946
85	191	68.42	I	62.2848	0.6949
86	192	75.85	II	63.2933	0.7703
87	192	64.57	I	63.2933	0.6558
88	192	61.00	I	63.2933	0.6195
89	192	64.59	I	63.2933	0.6560
90	192	70.20	I	63.2933	0.7130
91	193	67.09	II	64.3127	0.6814
92	193	68.54	II	64.3127	0.6961
93	193	65.29	II	64.3127	0.6631
94	193	64.99	II	64.3127	0.6600
95	193	68.09	II	64.3127	0.6915
96	193	70.79	I	64.3127	0.7189
97	193	70.93	I	64.3127	0.7204
98	194	66.71	II	65.3432	0.6775
99	194	70.17	II	65.3432	0.7126
100	194	72.06	I	65.3432	0.7318
101	194	73.11	I	65.3432	0.7425
102	194	73.35	I	65.3432	0.7449
103	194	73.46	I	65.3432	0.7461
104	195	69.95	II	66.3848	0.7104
105	195	68.11	II	66.3848	0.6917
106	195	62.04	II	66.3848	0.6301
107	196	69.21	II	67.4375	0.7029
108	196	68.03	II	67.4375	0.6909

## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
109	196	73.73	II	67.4375	0.7488
110	196	73.86	I	67.4375	0.7501
111	196	74.32	I	67.4375	0.7548
112	197	74.38	I	68.5015	0.7554
113	197	74.40	I	68.5015	0.7556
114	197	74.87	I	68.5015	0.7604
115	198	74.66	II	69.5767	0.7582
116	198	75.20	I	69.5767	0.7637
117	198	75.24	I	69.5767	0.7641
118	199	72.50	II	70.6632	0.7363
119	199	75.21	I	70.6632	0.7638
120	199	72.02	II	70.6632	0.7314
121	199	74.31	II	70.6632	0.7547
122	199	64.61	II	70.6632	0.6562
123	199	75.30	I	70.6632	0.7647
124	199	75.32	I	70.6632	0.7650
125	199	75.38	I	70.6632	0.7656
126	199	75.46	I	70.6632	0.7664
127	199	75.98	I	70.6632	0.7717
128	199	76.35	I	70.6632	0.7754
129	200	80.02	II	71.7612	0.8127
130	200	76.37	I	71.7612	0.7756
131	200	77.34	I	71.7612	0.7855
132	200	78.79	I	71.7612	0.8002
133	200	78.86	II	71.7612	0.8009
134	200	79.21	I	71.7612	0.8045
135	200	79.91	I	71.7612	0.8116
136	200	80.60	I	71.7612	0.8186
137	201	80.72	I	72.8705	0.8198
138	201	81.11	I	72.8705	0.8238
139	201	81.46	I	72.8705	0.8273
140	201	81.77	I	72.8705	0.8305
141	201	81.85	I	72.8705	0.8313
142	202	84.18	II	73.9914	0.8549
143	202	81.94	I	73.9914	0.8322
144	202	82.30	I	73.9914	0.8358
145	203	82.48	I	75.1239	0.8377

## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
146	203	83.30	I	75.1239	0.8460
147	203	83.85	I	75.1239	0.8516
148	204	84.37	I	76.2681	0.8569
149	204	85.73	I	76.2681	0.8707
150	205	87.26	I	77.4239	0.8862
151	206	85.01	II	78.5915	0.8634
152	206	87.82	II	78.5915	0.8919
153	210	87.92	II	83.3807	0.8929
154	210	95.02	I	83.3807	0.9650
155	211	103.33	III	84.6080	1.0494
156	211	95.19	II	84.6080	0.9668
157	211	99.00	I	84.6080	1.0054
158	212	98.72	II	85.8475	1.0026
159	212	98.37	II	85.8475	0.9990
160	212	99.65	II	85.8475	1.0120
161	213	98.89	II	87.0992	1.0043
162	214	98.26	II	88.3631	0.9979
163	214	99.83	III	88.3631	1.0139
164	215	99.72	II	89.6394	1.0128
165	215	100.01	II	89.6394	1.0157
166	215	107.17	II	89.6394	1.0884
167	215	100.04	I	89.6394	1.0160
168	215	102.32	I	89.6394	1.0392
169	216	101.10	III	90.9280	1.0268
170	216	99.63	II	90.9280	1.0118
171	218	103.18	II	93.5426	1.0479
172	218	103.88	I	93.5426	1.0550
173	219	102.52	III	94.8688	1.0412
174	219	99.99	II	94.8688	1.0155
175	220	107.22	II	96.2076	1.0889
176	220	99.63	II	96.2076	1.0118
177	220	105.22	III	96.2076	1.0686
178	220	104.74	III	96.2076	1.0637
179	221	102.99	III	97.5590	1.0460
180	222	103.95	II	98.9232	1.0557
181	223	103.48	III	100.3003	1.0509
182	223	107.96	III	100.3003	1.0964



## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
183	223	105.79	I	100.3003	1.0744
184	223	106.12	II	100.3003	1.0778
185	223	113.35	II	100.3003	1.1512
186	224	101.06	II	101.6902	1.0264
187	224	102.50	I	101.6902	1.0410
188	224	114.05	I	101.6902	1.1583
189	225	108.60	I	103.0931	1.1029
190	225	115.20	III	103.0931	1.1700
191	225	115.50	III	103.0931	1.1730
192	226	101.92	II	104.5089	1.0351
193	227	115.59	II	105.9379	1.1739
194	227	116.52	II	105.9379	1.1834
195	228	126.73	II	107.3799	1.2871
196	228	117.14	III	107.3799	1.1897
197	231	117.95	III	111.7855	1.1979
198	232	119.49	I	113.2807	1.2135
199	233	119.66	II	114.7893	1.2153
200	234	122.87	II	116.3114	1.2479
201	234	123.97	IV	116.3114	1.2590
202	235	135.14	II	117.8471	1.3725
203	235	131.17	I	117.8471	1.3322
204	236	124.63	I	119.3964	1.2657
205	236	130.72	IV	119.3964	1.3276
206	236	125.80	II	119.3964	1.2776
207	237	130.96	I	120.9594	1.3300
208	237	121.95	II	120.9594	1.2385
209	238	131.26	II	122.5362	1.3331
210	238	130.16	II	122.5362	1.3219
211	238	132.13	II	122.5362	1.3419
212	238	129.42	I	122.5362	1.3144
213	239	132.09	II	124.1267	1.3415
214	240	137.18	I	125.7312	1.3932
215	240	132.46	III	125.7312	1.3453
216	240	129.89	I	125.7312	1.3192
217	241	135.66	II	127.3496	1.3778
218	241	138.86	III	127.3496	1.4103
219	242	144.70	III	128.9819	1.4696

## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
220	242	147.16	IV	128.9819	1.4946
221	242	136.05	II	128.9819	1.3817
222	242	139.25	II	128.9819	1.4142
223	243	145.70	II	130.6284	1.4797
224	243	135.36	III	130.6284	1.3747
225	243	139.48	II	130.6284	1.4166
226	244	141.64	II	132.2890	1.4385
227	244	145.13	IV	132.2890	1.4739
228	245	142.53	II	133.9637	1.4475
229	245	134.42	IV	133.9637	1.3652
230	245	146.02	III	133.9637	1.4830
231	245	146.47	III	133.9637	1.4876
232	246	140.32	I	135.6527	1.4251
233	247	140.57	II	137.3561	1.4276
234	247	156.09	II	137.3561	1.5853
235	248	138.20	III	139.0738	1.4036
236	248	152.58	III	139.0738	1.5496
237	248	149.82	I	139.0738	1.5216
238	249	150.49	II	140.8059	1.5284
239	249	150.61	II	140.8059	1.5296
240	250	143.18	II	142.5525	1.4541
241	250	145.48	III	142.5525	1.4775
242	250	150.01	II	142.5525	1.5235
243	250	151.55	II	142.5525	1.5391
244	250	152.48	II	142.5525	1.5486
245	250	158.73	II	142.5525	1.6121
246	251	160.55	II	144.3137	1.6306
247	251	161.23	III	144.3137	1.6375
248	252	147.89	III	146.0896	1.5020
249	252	165.29	IV	146.0896	1.6787
250	252	165.63	IV	146.0896	1.6821
251	252	165.72	II	146.0896	1.6831
252	253	159.23	II	147.8801	1.6171
253	253	150.77	II	147.8801	1.5312
254	254	157.67	III	149.6853	1.6013

## Lampiran 1. Lanjutan

No	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
255	254	167.64	II	149.6853	1.7026
256	257	150.31	II	155.1903	1.5266
257	258	168.03	II	157.0552	1.7065
258	259	168.69	III	158.9352	1.7132
259	259	168.71	III	158.9352	1.7134
260	260	170.38	III	160.8303	1.7304
261	261	170.54	II	162.7406	1.7320
262	261	170.65	III	162.7406	1.7331
263	262	184.94	III	164.6661	1.8783
264	262	171.94	II	164.6661	1.7462
265	262	172.23	III	164.6661	1.7492
266	262	174.23	II	164.6661	1.7695
267	263	174.87	III	166.6070	1.7760
268	263	177.27	III	166.6070	1.8004
269	265	177.30	III	170.5349	1.8007
270	266	178.42	IV	172.5221	1.8120
271	266	186.17	III	172.5221	1.8907
272	267	186.90	III	174.5248	1.8982
273	270	187.48	IV	180.6272	1.9041
274	270	187.52	III	180.6272	1.9045
275	270	189.26	IV	180.6272	1.9221
276	270	189.93	IV	180.6272	1.9289
277	271	192.04	II	182.6928	1.9504
278	271	193.30	III	182.6928	1.9632
279	274	196.73	V	188.9854	1.9980
280	275	200.40	IV	191.1150	2.0353
281	276	202.86	IV	193.2607	2.0603
282	276	203.57	II	193.2607	2.0675
283	276	205.72	IV	193.2607	2.0893
284	278	205.87	V	197.6008	2.0908
285	279	205.88	IV	199.7953	2.0909
286	279	209.18	IV	199.7953	2.1244
287	281	207.12	III	204.2335	2.1035
288	281	211.70	III	204.2335	2.1500
289	282	213.06	III	206.4774	2.1638

## Lampiran 1. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
290	283	215.86	IV	208.7378	2.1923
291	286	220.85	IV	215.6193	2.2430
292	286	228.76	III	215.6193	2.3233
293	287	232.05	IV	217.9466	2.3567
294	287	236.22	V	217.9466	2.3991
295	287	238.92	II	217.9466	2.4265
296	288	218.41	IV	220.2909	2.2182
297	288	241.34	II	220.2909	2.4511
298	289	241.50	IV	222.6522	2.4527
299	290	242.81	III	225.0304	2.4660
300	292	244.13	IV	229.8383	2.4794
Rerata	215.9117	105.4526	*	98.4637	1.0710

Simpang deviasi panjang tubuh	= 0.0712
Simpang deviasi bobot tubuh	= 0.2202
a	= -5.1919
b	= 3.0759
Sb	= 0.0175
t hit	= 4.3340
$t_{(0.05;298)}$	= 1.9680

Lampiran 2. Panjang tubuh (mm), bobot tubuh (g), tingkat kematangan gonad (TKG) dan faktor kondisi ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina yang tertangkap di Perairan Teluk Bone.

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
1	143	26.17	II	0.8949
2	184	65.31	I	1.0484
3	190	68.30	I	0.9958
4	190	60.83	I	0.8869
5	191	75.85	I	1.0886
6	192	69.59	II	0.9832
7	193	73.47	I	1.0220
8	193	67.75	I	0.9424
9	194	65.89	I	0.9024
10	195	68.41	I	0.9226
11	196	96.26	I	1.2784
12	196	71.64	I	0.9515
13	196	75.03	I	0.9965
14	197	72.01	I	0.9419
15	199	78.94	I	1.0017
16	199	73.34	I	0.9306
17	199	74.50	I	0.9454
18	200	80.15	I	1.0019
19	200	81.47	I	1.0138
20	201	79.45	I	0.9784
21	202	81.43	II	0.9879
22	203	79.67	I	0.9524
23	205	80.36	I	0.9328
24	205	82.06	I	0.9525
25	208	92.52	I	1.0281
26	208	90.68	II	1.0077
27	208	83.51	I	0.9280
28	208	86.70	I	0.9634
29	212	98.43	I	1.0330
30	213	96.86	I	1.0023
31	214	94.50	I	0.9643
32	215	95.20	I	0.9579
33	216	103.37	II	1.0257
34	216	104.93	I	1.0412
35	217	102.97	I	1.0077
36	218	90.40	I	0.8726
37	220	100.71	II	0.9458

## Lampiran 2. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
38	221	108.59	I	1.0060
39	222	108.81	I	0.9945
40	222	108.30	I	0.9899
41	223	117.68	I	1.0612
42	226	126.39	I	1.0949
43	227	108.67	I	0.9290
44	227	109.98	I	0.9402
45	227	107.91	I	0.9225
46	228	115.35	I	0.9732
47	229	120.21	III	1.0010
48	230	129.20	II	1.0619
49	231	115.95	II	0.9407
50	231	120.43	III	0.9770
51	234	108.81	II	0.8492
52	236	117.42	V	0.8933
53	236	134.25	II	1.0214
54	236	136.74	III	1.0403
55	236	123.43	I	0.9390
56	237	136.97	I	1.0289
57	238	132.27	I	0.9811
58	238	132.06	I	0.9796
59	238	135.89	I	1.0080
60	239	139.89	I	1.0247
61	241	126.39	IV	0.9029
62	241	140.37	I	1.0028
63	241	131.90	III	0.9423
64	241	140.27	IV	1.0021
65	241	151.56	II	1.0828
66	242	149.45	III	1.0545
67	242	145.04	V	1.0234
68	242	140.58	III	0.9919
69	242	139.63	I	0.9852
70	242	143.94	II	1.0156
71	244	159.98	V	1.1013
72	244	136.66	I	0.9407
73	244	138.88	I	0.9560
74	244	141.93	II	0.9770
75	244	150.65	III	1.0370
76	245	141.38	III	0.9614

## Lampiran 2. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
77	245	141.84	II	0.9645
78	245	148.92	II	1.0126
79	245	139.54	I	0.9489
80	245	137.91	II	0.9378
81	246	142.46	V	0.9569
82	246	136.34	I	0.9158
83	246	144.51	II	0.9707
84	247	155.28	III	1.0304
85	247	145.66	I	0.9666
86	247	147.48	II	0.9787
87	247	151.97	I	1.0085
88	248	153.98	III	1.0095
89	248	163.10	III	1.0693
90	249	145.91	V	0.9451
91	249	155.30	V	1.0059
92	250	157.73	II	1.0095
93	250	152.52	III	0.9761
94	250	141.85	III	0.9078
95	250	150.66	II	0.9642
96	251	150.29	III	0.9504
97	251	146.84	III	0.9286
98	251	160.25	II	1.0134
99	252	173.72	II	1.0855
100	252	171.62	III	1.0724
101	252	140.68	III	0.8791
102	252	172.28	IV	1.0765
103	252	160.38	II	1.0022
104	253	171.97	IV	1.0619
105	253	150.78	V	0.9311
106	253	153.61	II	0.9485
107	253	167.05	IV	1.0315
108	253	159.23	V	0.9832
109	254	167.80	IV	1.0240
110	254	166.87	III	1.0183
111	254	133.35	V	0.8138
112	254	166.34	IV	1.0151
113	254	164.52	III	1.0040
114	255	148.22	II	0.8939

## Lampiran 2. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
115	256	156.10	V	0.9304
116	256	159.72	V	0.9520
117	257	161.46	V	0.9512
118	257	163.91	IV	0.9656
119	257	166.80	II	0.9826
120	257	168.13	IV	0.9905
121	258	161.81	IV	0.9422
122	258	151.68	V	0.8832
123	258	173.15	IV	1.0082
124	259	151.16	V	0.8700
125	259	179.88	III	1.0353
126	260	178.96	V	1.0182
127	260	158.85	IV	0.9038
128	260	154.02	V	0.8763
129	260	174.27	V	0.9915
130	262	159.38	V	0.8862
131	263	177.77	II	0.9772
132	263	183.67	V	1.0097
133	263	182.18	III	1.0015
134	263	173.81	IV	0.9554
135	263	178.95	III	0.9837
136	264	166.66	IV	0.9058
137	264	166.79	IV	0.9065
138	264	186.33	V	1.0127
139	264	171.22	V	0.9306
140	264	184.28	I	1.0015
141	265	180.57	V	0.9703
142	265	171.55	IV	0.9218
143	265	177.72	IV	0.9550
144	266	173.13	V	0.9199
145	266	180.62	IV	0.9597
146	266	189.43	IV	1.0065
147	267	172.76	III	0.9076
148	267	188.87	V	0.9923
149	267	179.72	IV	0.9442
150	268	204.67	IV	1.0633
151	268	168.93	V	0.8776
152	269	189.45	IV	0.9733



## Lampiran 2. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
153	271	212.66	IV	1.0685
154	271	189.86	IV	0.9539
155	271	187.76	III	0.9434
156	271	191.01	IV	0.9597
157	271	186.73	III	0.9382
158	271	201.10	V	1.0104
159	271	195.64	I	0.9830
160	272	187.77	IV	0.9331
161	273	204.37	V	1.0045
162	273	200.99	III	0.9878
163	274	200.12	V	0.9728
164	275	217.34	IV	1.0451
165	279	210.58	IV	0.9696
166	279	201.21	IV	0.9265
167	280	211.98	V	0.9657
168	283	222.15	IV	0.9801
169	283	208.23	V	0.9187
170	286	226.43	IV	0.9679
171	290	236.21	V	0.9685
Rerata	241.7737	142.4663	*	0.9774

Simpang deviasi panjang tubuh	= 0,0494
Simpang deviasi bobot tubuh	= 0,1484
a	= -4,9180
b	= 2,9611
Sb	= 0,0391
t hit	= 0,9969
$t_{(0.05;169)}$	= 1,9741

Lampiran 3. Panjang tubuh (mm), bobot tubuh (g), tingkat kematangan gonad (TKG) dan faktor kondisi ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan yang tertangkap pada fase bulan gelap di Perairan Teluk Bone.

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
1	164	37.46	I	0.8493
2	177	46.47	I	0.8380
3	184	61.95	I	0.9945
4	185	60.73	II	0.9592
5	185	56.64	I	0.8946
6	190	66.59	II	0.9708
7	190	65.88	II	0.9605
8	190	73.11	II	1.0659
9	190	73.46	I	1.0710
10	191	68.42	III	0.9819
11	191	73.86	II	1.0600
12	192	74.87	II	1.0578
13	193	67.55	III	0.9396
14	193	68.39	I	0.9513
15	194	103.88	II	1.4227
16	194	70.20	II	0.9615
17	194	72.06	IV	0.9869
18	194	74.40	II	1.0190
19	196	119.66	IV	1.5892
20	196	76.37	II	1.0143
21	196	70.79	III	0.9402
22	197	76.35	III	0.9986
23	197	75.38	III	0.9860
24	197	75.30	IV	0.9849
25	198	75.98	III	0.9788
26	198	81.11	IV	1.0449
27	199	74.38	IV	0.9438
28	199	73.35	III	0.9308
29	199	75.20	III	0.9542
30	199	79.91	III	1.0140
31	199	65.64	II	0.8329
32	199	80.72	II	1.0243
33	200	100.04	II	1.2505
34	200	82.48	III	1.0310
35	200	117.14	III	1.4643
36	200	81.77	IV	1.0221

## Lampiran 3. Lanjutan

No	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
37	200	78.79	IV	0.9849
38	200	83.30	II	1.0413
39	200	81.94	III	1.0243
40	201	123.97	II	1.5266
41	201	75.32	III	0.9275
42	201	74.32	III	0.9152
43	201	80.60	III	0.9925
44	201	83.85	II	1.0326
45	202	77.34	III	0.9383
46	202	73.73	III	0.8945
47	203	84.37	II	1.0086
48	203	79.21	III	0.9469
49	203	99.65	III	1.1912
50	204	87.82	III	1.0344
51	204	82.30	III	0.9694
52	205	81.85	IV	0.9501
53	206	95.02	III	1.0870
54	210	85.73	III	0.9257
55	211	102.32	IV	1.0892
56	211	99.00	III	1.0539
57	212	95.19	IV	0.9990
58	214	70.93	IV	0.7238
59	215	119.49	II	1.2023
60	215	99.83	III	1.0045
61	218	75.24	V	0.7262
62	222	106.12	IV	0.9699
63	223	105.79	IV	0.9540
64	223	81.46	II	0.7346
65	223	117.95	IV	1.0636
66	224	115.50	V	1.0276
67	225	103.95	I	0.9126
68	225	114.05	IV	1.0013
69	227	115.59	IV	0.9882
70	227	113.35	III	0.9690
71	228	75.46	III	0.6367
72	231	78.86	IV	0.6398
73	232	87.26	IV	0.6988
74	233	116.52	I	0.9212

## Lampiran 3. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
75	234	129.42	I	1.0101
76	234	122.87	I	0.9590
77	236	125.80	I	0.9571
78	238	115.20	II	0.8545
79	240	145.13	I	1.0498
80	241	129.89	I	0.9280
81	241	150.01	I	1.0717
82	242	135.66	I	0.9572
83	243	139.48	I	0.9721
84	244	151.55	I	1.0432
85	245	160.55	I	1.0917
86	245	158.73	I	1.0793
87	248	138.86	I	0.9104
88	250	172.23	I	1.1023
89	250	168.71	II	1.0797
90	250	146.02	I	0.9345
91	250	149.82	I	0.9588
92	251	161.23	I	1.0196
93	251	139.25	I	0.8806
94	252	167.64	I	1.0476
95	252	152.48	I	0.9528
96	252	168.03	I	1.0500
97	254	146.47	I	0.8938
98	258	170.54	I	0.9930
99	259	170.65	I	0.9822
100	259	174.87	I	1.0065
101	260	168.69	I	0.9598
102	261	170.38	I	0.9583
103	261	187.52	I	1.0547
104	262	189.26	I	1.0523
105	262	186.90	I	1.0392
106	262	174.23	II	0.9688
107	263	165.72	I	0.9110
108	263	177.27	I	0.9745
109	265	187.48	III	1.0074
110	266	177.30	I	0.9420
111	266	165.63	I	0.8800
112	267	196.73	I	1.0336

## Lampiran 3. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	Faktor kondisi
113	270	213.06	I	1.0825
114	270	171.94	I	0.8735
115	270	200.40	I	1.0181
116	270	186.17	I	0.9458
117	271	165.29	I	0.8305
118	271	193.30	IV	0.9712
119	274	189.93	I	0.9233
120	275	205.87	I	0.9899
121	276	192.04	I	0.9134
122	276	178.42	I	0.8486
123	276	203.57	I	0.9682
124	278	211.70	V	0.9853
125	279	236.22	II	1.0877
126	279	205.72	I	0.9422
127	281	205.88	II	0.9279
128	282	232.05	I	1.0347
129	283	215.86	II	0.9524
130	286	241.34	I	1.0316
131	286	228.76	IV	0.9779
132	287	238.92	II	1.0107
133	287	220.85	III	0.9342
134	287	209.18	IV	0.8849
135	288	241.50	I	1.0110
136	289	244.13	I	1.0114
137	290	202.86	III	0.8318
138	292	242.81	IV	0.9753
Rerata	231.1304	128.5249	*	0.9872

Simpang deviasi panjang tubuh	= 0.0628
Simpang deviasi bobot tubuh	= 0.1889
a	= -4.7375
b	= 2.8849
Sb	= 0.0735
t hit	= 0.5654
$t_{(0.05;136)}$	= 1.9776

Lampiran 4. Panjang tubuh (mm), bobot tubuh (g), tingkat kematangan gonad (TKG), bobot tubuh ikan dugaan ( $W^*$ ) dan faktor kondisi ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina yang tertangkap pada fase bulan gelap di Perairan Teluk Bone.

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	$W^*$	Faktor kondisi
1	184	65.31	I	66.0473	0.4203
2	190	68.30	I	72.4380	0.4395
3	191	75.85	I	73.5408	0.4881
4	193	73.47	I	75.7791	0.4728
5	193	67.75	I	75.7791	0.4360
6	194	65.89	I	76.9148	0.4240
7	196	96.26	I	79.2192	0.6195
8	196	71.64	I	79.2192	0.4610
9	196	75.03	I	79.2192	0.4828
10	197	72.01	I	80.3882	0.4634
11	199	78.94	I	82.7597	0.5080
12	199	73.34	I	82.7597	0.4720
13	199	74.50	I	82.7597	0.4794
14	200	80.15	I	83.9624	0.5158
15	201	79.45	I	85.1764	0.5113
16	202	81.43	I	86.4018	0.5240
17	203	79.67	I	87.6387	0.5127
18	205	80.36	I	90.1470	0.5171
19	205	82.06	I	90.1470	0.5281
20	208	92.52	I	93.9965	0.5954
21	208	90.68	I	93.9965	0.5835
22	212	98.43	I	99.2939	0.6334
23	214	94.50	I	102.0140	0.6081
24	216	103.37	I	104.7824	0.6652
25	217	102.97	I	106.1847	0.6626
26	221	108.59	I	111.9165	0.6988
27	223	117.68	I	114.8566	0.7573
28	226	126.39	I	119.3604	0.8134
29	229	120.21	III	123.9780	0.7736
30	230	129.20	II	125.5426	0.8314
31	231	115.95	II	127.1201	0.7462
32	234	108.81	II	131.9301	0.7002
33	236	117.42	V	135.2018	0.7556
34	236	134.25	II	135.2018	0.8639

## Lampiran 4. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
35	236	136.74	III	135.2018	0.8800
36	241	126.39	IV	143.6116	0.8134
37	242	149.45	III	145.3335	0.9617
38	242	145.04	V	145.3335	0.9334
39	244	159.98	V	148.8175	1.0295
40	245	141.38	III	150.5798	0.9098
41	246	142.46	V	152.3556	0.9168
42	247	155.28	III	154.1451	0.9993
43	249	145.91	V	157.7650	0.9390
44	250	157.73	II	159.5955	1.0150
45	250	152.52	III	159.5955	0.9815
46	250	141.85	III	159.5955	0.9128
47	251	150.29	III	161.4399	0.9672
48	251	146.84	III	161.4399	0.9450
49	252	173.72	II	163.2981	1.1179
50	252	171.62	III	163.2981	1.1044
51	252	140.68	III	163.2981	0.9053
52	253	171.97	IV	165.1702	1.1067
53	253	150.78	V	165.1702	0.9703
54	253	153.61	II	165.1702	0.9885
55	253	167.05	IV	165.1702	1.0750
56	254	167.80	IV	167.0563	1.0798
57	254	166.87	III	167.0563	1.0738
58	254	133.35	V	167.0563	0.8581
59	255	148.22	II	168.9564	0.9538
60	256	156.10	V	170.8705	1.0045
61	256	159.72	V	170.8705	1.0278
62	257	161.46	V	172.7987	1.0390
63	257	163.91	IV	172.7987	1.0548
64	257	166.80	II	172.7987	1.0734
65	258	161.81	IV	174.7411	1.0413
66	258	151.68	V	174.7411	0.9761
67	258	173.15	IV	174.7411	1.1143
68	259	151.16	V	176.6976	0.9728
69	259	179.88	III	176.6976	1.1576
70	260	178.96	V	178.6684	1.1517
71	260	158.85	IV	178.6684	1.0222

## Lampiran 4. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
72	260	154.02	V	178.6684	0.9912
73	262	159.38	V	182.6529	1.0256
74	263	177.77	II	184.6667	1.1440
75	263	183.67	V	184.6667	1.1820
76	263	182.18	III	184.6667	1.1724
77	263	173.81	IV	184.6667	1.1185
78	263	178.95	III	184.6667	1.1516
79	264	166.66	IV	186.6950	1.0725
80	264	166.79	IV	186.6950	1.0733
81	264	186.33	V	186.6950	1.1991
82	264	171.22	V	186.6950	1.1018
83	265	180.57	V	188.7377	1.1620
84	265	171.55	IV	188.7377	1.1040
85	265	177.72	IV	188.7377	1.1437
86	266	173.13	V	190.7949	1.1141
87	266	180.62	IV	190.7949	1.1623
88	266	189.43	IV	190.7949	1.2190
89	267	172.76	III	192.8667	1.1118
90	267	188.87	V	192.8667	1.2154
91	267	179.72	IV	192.8667	1.1565
92	268	204.67	IV	194.9532	1.3171
93	268	168.93	V	194.9532	1.0871
94	269	189.45	IV	197.0543	1.2192
95	271	212.66	IV	201.3008	1.3685
96	271	189.86	IV	201.3008	1.2218
97	271	187.76	III	201.3008	1.2083
98	271	191.01	IV	201.3008	1.2292
99	271	186.73	III	201.3008	1.2017
100	271	201.10	V	201.3008	1.2941
101	272	187.77	IV	203.4462	1.2083
102	273	204.37	V	205.6065	1.3152
103	273	200.99	III	205.6065	1.2934
104	274	200.12	V	207.7818	1.2878
105	275	217.34	IV	209.9720	1.3986
106	279	210.58	IV	218.8833	1.3551



## Lampiran 4. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
107	279	201.21	IV	218.8833	1.2948
108	280	211.98	V	221.1490	1.3641
109	283	222.15	IV	228.0378	1.4296
110	286	226.43	IV	235.0652	1.4571
111	290	236.21	V	244.6528	1.5201
Rerata	244.9550	148.0168	*	155.3942	0.9525

Simpang deviasi panjang tubuh	= 0.0510
Simpang deviasi bobot tubuh	= 0.1493
a	= -4.7210
b	= 2.8783
Sb	= 0.0510
t hit	= 2.3871
$t_{(0.05;109)}$	= 1.9820

Lampiran 5. Panjang tubuh (mm), bobot tubuh (g), tingkat kematangan gonad (TKG), bobot tubuh ikan dugaan ( $W^*$ ) dan faktor kondisi ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan yang tertangkap pada fase bulan terang di Perairan Teluk Bone.

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	$W^*$	Faktor kondisi
1	107	12.91	I	11.2177	0.1482
2	131	20.79	I	20.9661	0.2387
3	132	20.85	I	21.4647	0.2394
4	140	21.26	I	25.7454	0.2441
5	142	26.37	I	26.8991	0.3028
6	143	24.31	I	27.4888	0.2791
7	144	24.99	I	28.0873	0.2869
8	144	25.78	I	28.0873	0.2960
9	148	28.15	I	30.5692	0.3232
10	157	32.62	I	36.6874	0.3746
11	159	34.98	I	38.1511	0.4017
12	171	53.02	I	47.7708	0.6088
13	173	55.08	I	49.5187	0.6325
14	174	51.89	I	50.4087	0.5958
15	175	46.01	I	51.3094	0.5283
16	175	53.50	I	51.3094	0.6143
17	176	54.68	II	52.2209	0.6279
18	178	53.77	I	54.0768	0.6174
19	178	54.65	I	54.0768	0.6275
20	179	52.42	I	55.0212	0.6019
21	180	55.49	I	55.9767	0.6372
22	180	54.51	I	55.9767	0.6259
23	180	56.16	I	55.9767	0.6449
24	180	52.29	I	55.9767	0.6004
25	180	58.19	I	55.9767	0.6682
26	182	55.86	II	57.9213	0.6414
27	182	55.46	II	57.9213	0.6368
28	182	59.62	I	57.9213	0.6846
29	183	57.17	I	58.9105	0.6564
30	183	57.42	I	58.9105	0.6593
31	183	64.69	II	58.9105	0.7428
32	183	64.92	II	58.9105	0.7454
33	183	61.01	II	58.9105	0.7005
34	183	64.19	II	58.9105	0.7371

## Lampiran 5. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
35	183	56.89	II	58.9105	0.6532
36	184	61.28	II	59.9110	0.7036
37	184	60.30	II	59.9110	0.6924
38	184	58.69	II	59.9110	0.6739
39	184	67.26	II	59.9110	0.7723
40	184	59.76	II	59.9110	0.6862
41	184	59.27	II	59.9110	0.6806
42	185	66.44	II	60.9230	0.7629
43	185	59.90	II	60.9230	0.6878
44	185	60.75	II	60.9230	0.6976
45	185	57.15	II	60.9230	0.6562
46	185	56.28	II	60.9230	0.6462
47	185	56.96	II	60.9230	0.6540
48	185	64.34	II	60.9230	0.7388
49	185	56.02	II	60.9230	0.6432
50	185	56.24	II	60.9230	0.6458
51	186	60.51	II	61.9465	0.6948
52	188	62.59	II	64.0283	0.7187
53	188	64.06	II	64.0283	0.7356
54	188	62.75	II	64.0283	0.7205
55	189	59.45	II	65.0867	0.6826
56	189	62.74	II	65.0867	0.7204
57	189	62.18	II	65.0867	0.7140
58	189	66.98	II	65.0867	0.7691
59	189	74.30	II	65.0867	0.8531
60	189	66.42	II	65.0867	0.7627
61	189	62.42	II	65.0867	0.7167
62	190	62.59	II	66.1569	0.7187
63	190	59.18	II	66.1569	0.6795
64	190	70.36	II	66.1569	0.8079
65	190	66.48	II	66.1569	0.7634
66	190	70.09	II	66.1569	0.8048
67	190	66.38	II	66.1569	0.7622
68	190	64.06	II	66.1569	0.7356
69	190	61.79	II	66.6964	0.7095
70	191	63.97	II	67.2389	0.7345
71	191	63.12	II	67.2389	0.7248

## Lampiran 5. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
72	191	67.79	II	67.2389	0.7784
73	191	70.89	II	67.2389	0.8140
74	191	66.82	II	67.2389	0.7673
75	192	75.85	II	68.3328	0.8709
76	192	64.57	II	68.3328	0.7414
77	192	61.00	II	68.3328	0.7004
78	192	64.59	II	68.3328	0.7416
79	193	67.09	II	69.4387	0.7704
80	193	68.54	II	69.4387	0.7870
81	193	65.29	II	69.4387	0.7497
82	193	64.99	II	69.4387	0.7462
83	193	68.09	II	69.4387	0.7818
84	194	66.71	II	70.5566	0.7660
85	194	70.17	II	70.5566	0.8057
86	195	69.95	II	71.6867	0.8032
87	195	68.11	II	71.6867	0.7821
88	195	62.04	II	71.6867	0.7124
89	196	69.21	II	72.8289	0.7947
90	196	68.03	II	72.8289	0.7811
91	198	74.66	II	75.1502	0.8573
92	199	72.50	II	76.3294	0.8325
93	199	75.21	II	76.3294	0.8636
94	199	72.02	II	76.3294	0.8270
95	199	74.31	II	76.3294	0.8533
96	199	64.61	II	76.3294	0.7419
97	200	80.02	II	77.5210	0.9188
98	202	84.18	II	79.9419	0.9666
99	206	85.01	II	84.9361	0.9761
100	210	87.92	II	90.1373	1.0095
101	211	103.33	II	91.4704	1.1865
102	212	98.72	II	92.8168	1.1335
103	212	98.37	II	92.8168	1.1295
104	213	98.89	II	94.1765	1.1355
105	214	98.26	II	95.5497	1.1283
106	215	99.72	II	96.9363	1.1450
107	215	100.01	II	96.9363	1.1484
108	215	107.17	II	96.9363	1.2306

## Lampiran 5. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
109	216	101.10	II	98.3365	1.1609
110	216	99.63	II	98.3365	1.1440
111	218	103.18	II	101.1777	1.1848
112	219	102.52	II	102.6190	1.1772
113	219	99.99	II	102.6190	1.1481
114	220	107.22	II	104.0740	1.2311
115	220	99.63	II	104.0740	1.1440
116	220	105.22	II	104.0740	1.2082
117	220	104.74	II	104.0740	1.2027
118	221	102.99	II	105.5430	1.1826
119	223	103.48	II	108.5228	1.1882
120	223	107.96	II	108.5228	1.2396
121	224	101.06	II	110.0338	1.1604
122	224	102.50	II	110.0338	1.1769
123	225	108.60	II	111.5591	1.2470
124	226	101.92	II	113.0985	1.1703
125	228	126.73	II	116.2204	1.4552
126	235	135.14	II	127.6055	1.5517
127	235	131.17	II	127.6055	1.5061
128	236	124.63	II	129.2911	1.4311
129	236	130.72	II	129.2911	1.5010
130	237	130.96	II	130.9917	1.5037
131	237	121.95	II	130.9917	1.4003
132	238	131.26	II	132.7074	1.5072
133	238	130.16	II	132.7074	1.4946
134	238	132.13	II	132.7074	1.5172
135	239	132.09	II	134.4382	1.5167
136	240	137.18	II	136.1842	1.5752
137	240	132.46	II	136.1842	1.5210
138	242	144.70	II	139.7221	1.6615
139	242	147.16	II	139.7221	1.6898
140	242	136.05	II	139.7221	1.5622
141	243	145.70	II	141.5142	1.6730
142	243	135.36	II	141.5142	1.5543
143	244	141.64	II	143.3217	1.6264
144	245	142.53	II	145.1448	1.6366
145	245	134.42	II	145.1448	1.5435

## Lampiran 5. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
146	246	140.32	II	146.9835	1.6112
147	247	140.57	II	148.8379	1.6141
148	247	156.09	II	148.8379	1.7923
149	248	138.20	II	150.7081	1.5869
150	248	152.58	II	150.7081	1.7520
151	249	150.49	II	152.5940	1.7280
152	249	150.61	II	152.5940	1.7294
153	250	143.18	II	154.4959	1.6441
154	250	145.48	II	154.4959	1.6705
155	252	147.89	II	158.3477	1.6981
156	253	159.23	II	160.2977	1.8283
157	253	150.77	II	160.2977	1.7312
158	254	157.67	II	162.2639	1.8104
159	257	150.31	II	168.2602	1.7259
160	262	184.94	II	178.5842	2.1236
161	281	207.12	II	221.7221	2.3782
162	288	218.41	II	239.2402	2.5079
Rerata	202.9475	85.7984	*	87.0897	0.9852

Simpang deviasi panjang tubuh	= 0.0676
Simpang deviasi bobot tubuh	= 0.2104
a	= -5.2285
b	= 3.0905
Sb	= 0.0302
t hit	= 2.9931
$t_{(0.05;160)}$	= 1.9749

Lampiran 6. Panjang tubuh (mm), bobot tubuh (g), tingkat kematangan gonad (TKG), bobot tubuh ikan dugaan ( $W^*$ ) dan faktor kondisi ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina yang tertangkap pada fase bulan terang di Perairan Teluk Bone.

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	$W^*$	Faktor kondisi
1	143	26.17	I	26.7421	0.1951
2	190	60.83	I	65.7677	0.4535
3	192	69.59	I	67.9850	0.5188
4	195	68.41	I	71.4061	0.5100
5	200	81.47	I	77.7347	0.6074
6	208	83.51	I	87.5975	0.6226
7	208	86.70	I	87.5975	0.6464
8	213	96.86	I	94.4408	0.7221
9	216	104.93	I	98.7175	0.7823
10	220	100.71	I	104.6233	0.7508
11	222	108.81	I	107.6650	0.8112
12	253	159.23	I	162.8680	1.1871
13	283	208.23	I	232.2428	1.5524
14	247	145.66	I	150.9483	1.0859
15	244	136.66	I	145.2187	1.0188
16	252	172.28	I	160.8382	1.2844
17	239	139.89	I	136.0030	1.0429
18	246	136.34	I	149.0216	1.0164
19	250	150.66	I	156.8307	1.1232
20	254	166.34	I	164.9152	1.2401
21	242	140.58	I	141.4828	1.0480
22	249	155.30	I	154.8528	1.1578
23	241	140.37	I	139.6397	1.0465
24	245	141.84	I	147.1117	1.0574
25	254	164.52	I	164.9152	1.2265
26	244	138.88	I	145.2187	1.0354
27	246	144.51	I	149.0216	1.0773
28	251	160.25	I	158.8258	1.1947
29	260	174.27	III	177.5698	1.2992
30	247	147.48	II	150.9483	1.0995
31	242	139.63	II	141.4828	1.0410
32	271	195.64	II	202.4676	1.4585
33	257	168.13	V	171.1625	1.2534
34	241	131.90	II	139.6397	0.9833
35	247	151.97	III	150.9483	1.1330

## Lampiran 6. Lanjutan

No.	Panjang tubuh (mm)	Berat tubuh (g)	TKG	W*	Faktor kondisi
36	241	140.27	IV	139.6397	1.0457
37	238	132.27	III	134.2092	0.9861
38	238	132.06	V	134.2092	0.9845
39	245	148.92	V	147.1117	1.1102
40	244	141.93	III	145.2187	1.0581
41	237	136.97	V	132.4316	1.0211
42	248	153.98	III	152.8920	1.1479
43	222	108.30	V	107.6650	0.8074
44	244	150.65	II	145.2187	1.1231
45	245	139.54	III	147.1117	1.0403
46	236	123.43	III	130.6703	0.9202
47	241	151.56	III	139.6397	1.1299
48	218	90.40	III	101.6411	0.6739
49	231	120.43	II	122.1032	0.8978
50	264	184.28	III	186.3656	1.3738
51	242	143.94	III	141.4828	1.0731
52	215	95.20	IV	97.2775	0.7097
53	227	108.67	V	115.5326	0.8101
54	252	160.38	II	160.8382	1.1957
55	227	109.98	IV	115.5326	0.8199
56	228	115.35	IV	117.1520	0.8600
57	248	163.10	III	152.8920	1.2159
58	227	107.91	V	115.5326	0.8045
59	238	135.89	II	134.2092	1.0131
60	245	137.91	V	147.1117	1.0281
Rerata	244.955	235.8883		134.1357	0.9856

Simpang deviasi panjang tubuh	= 0.0449
Simpang deviasi bobot tubuh	= 0.1433
a	= -5.4044
b	= 3.1666
Sb	= 0.0522
t hit	= 3.1901
$t_{(0.05;58)}$	= 2.0017



Lampiran 7. Uji statistik koefisien regresi keseluruhan ikan layang (*Decapterus macrosoma*, Bleeker 1851) jantan dan betina yang tertangkap di perairan Teluk Bone.

$$t_{hit} = b_1 - b_2 / SE (b_1, b_2)$$

$$b_{jantan} - b_{betina} = 3,0759 - 2,9611 = 0,1148$$

$$SE (jantan-betina) = \sqrt{(0,0175)^2 + (0,0391)^2}$$

$$= \sqrt{0,0018}$$

$$= 0,0424$$

$$t_{hit} = \frac{0,1148}{0,0424} = 2,7075$$

$$Db = n_{jantan} - 2 + n_{betina} - 2$$

$$= 300 - 2 + 171 - 2$$

$$= 467$$

$$t_{0,05 (467)} = 1,9651$$

Lampiran 8. Uji statistik koefisien regresi ikan layang (*Decapterus macrosoma*, Bleeker 1851) jantan dan betina yang tertangkap pada fase bulan gelap di perairan Teluk Bone.

$$t_{hit} = b_1 - b_2 / SE (b_1, b_2)$$

$$b_{jantan} - b_{betina} = 2.8849 - 2.8783 = 0,0066$$

$$SE (jantan-betina) = \sqrt{(0,0735)^2 + (0,0510)^2}$$

$$= \sqrt{0,0080}$$

$$= 0,0894$$

$$t_{hit} = \frac{0,0066}{0,0894} = 0,0738$$

$$db = n_{jantan} - 2 + n_{betina} - 2$$

$$= 138 - 2 + 111 - 2$$

$$= 245$$

$$t_{0,05 (245)} = 1.9697$$

Lampiran 9. Uji statistik koefisien regresi ikan layang (*Decapterus macrosoma*, Bleeker 1851) jantan dan betina yang tertangkap pada fase bulan terang di perairan Teluk Bone.

$$t_{hit} = b_1 - b_2 / SE (b_1 - b_2)$$

$$b_{betina} - b_{jantan} = 3,1666 - 3,0905 = 0,0761$$

$$SE (betina-jantan) = \sqrt{(0,0522)^2 + (0,0302)^2}$$

$$= \sqrt{0,0036}$$

$$= 0,0600$$

$$t_{hit} = \frac{0,0761}{0,0600} = 1,2683$$

$$db = n_{betina} - 2 + n_{jantan} - 2$$

$$= 60 - 2 + 162 - 2$$

$$= 218$$

$$t_{0,05 (218)} = 1.9709$$

Lampiran 10. Uji statistik koefisien regresi ikan layang (*Decapterus macrosoma*, Bleeker 1851) jantan yang tertangkap pada bulan gelap dan ikan jantan yang tertangkap pada bulan terang di perairan Teluk Bone.

$$t_{hit} = b_1 - b_2 / SE (b_1, b_2) S$$

$$b_{terang} - b_{gelap} = 3,0905 - 2,8849 = 0,2056$$

$$SE (terang-gelap) = \sqrt{(0,0302)^2 + (0,0735)^2}$$

$$= \sqrt{0,0063}$$

$$= 0,0794$$

$$t_{hit} = \frac{0,2056}{0,0794} = 2,5894$$

$$db = n_{terang} - 2 + n_{gelap} - 2$$

$$= 162 - 2 + 138 - 2$$

$$= 296$$

$$t_{0,05 (296)} = 1.9680$$

Lampiran 11. Uji statistik koefisien regresi ikan layang (*Decapterus macrosoma*, Bleeker 1851) betina yang tertangkap pada bulan gelap dan ikan betina yang tertangkap pada bulan terang di perairan Teluk Bone.

$$t_{hit} = b_1 - b_2 / SE (b_1, b_2)$$

$$b_{terang} - b_{gelap} = 3,1666 - 2,8783 = 0,2883$$

$$SE (terang-gelap) = \sqrt{(0,0522)^2 + (0,0510)^2}$$

$$= \sqrt{0,0053}$$

$$= 0,0728$$

$$t_{hit} = \frac{0,2883}{0,0728}$$

$$= 3,9602$$

$$Db = n_{terang} - 2 + n_{gelap} - 2$$

$$= 60 - 2 + 111 - 2$$

$$= 167$$

$$t_{0,05 (167)} = 1.9743$$

Lampiran 12. Uji statistik hubungan panjang dan bobot ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan.

<i>Regression Statistics</i>	
<i>Multiple R</i>	0.9952
<i>R Square</i>	0.9904
<i>Adjusted R Square</i>	0.9904
<i>Standard Error</i>	0.0216
<i>Observations</i>	300

<i>ANOVA</i>					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
<i>Regression</i>	1	14.3548	14.3548	30821.7	7E-303
<i>Residual</i>	298	0.13879	0.00047		
<i>Total</i>	299	14.4936			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
<i>Intercept</i>	-5.1919	0.04082	-127.201	1E-261	-5.2722	-5.1115	-5.2721	-5.1115
<i>Log L</i>	3.0759	0.01752	175.561	7E-303	3.0415	3.1104	3.0414	3.1104

Lampiran 13. Uji statistik hubungan panjang dan bobot ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina

<i>Regression Statistics</i>	
<i>Multiple R</i>	0.9856
<i>R Square</i>	0.9714
<i>Adjusted R Square</i>	0.9712
<i>Standard Error</i>	0.0251
<i>Observations</i>	171

<i>ANOVA</i>					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
<i>Regression</i>	1	3.6350	3.6350	5748.5010	2E-132
<i>Residual</i>	169	0.1069	0.0006		
<i>Total</i>	170	3.7419			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
<i>Intercept</i>	-4.9180	0.0930	-52.8823	4.6E-107	-5.1015	-4.7344	-5.1016	-4.7344
<i>Log L</i>	2.9611	0.0390	75.8189	2E-132	2.8840	3.0381	2.8840	3.0381

Lampiran 14. Uji statistik hubungan panjang dan bobot ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan pada bulan gelap.

<i>Regression Statistics</i>	
<i>Multiple R</i>	0.9586
<i>R Square</i>	0.9189
<i>Adjusted R Square</i>	0.9183
<i>Standard Error</i>	0.0540
<i>Observations</i>	138

<i>ANOVA</i>					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
<i>Regression</i>	1	4.4943	4.4943	1540.1634	4.7819E-76
<i>Residual</i>	136	0.3969	0.0029		
<i>Total</i>	137	4.8912			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
<i>Intercept</i>	-4.7375	0.1735	-27.3058	0.0000	-5.0806	-4.3944	-5.0806	-4.3944
<i>Log L</i>	2.8849	0.0735	39.2449	0.0000	2.7396	3.0303	2.7396	3.0303



Lampiran 15. Uji statistik hubungan panjang dan bobot ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan pada bulan terang.

<i>Regression Statistics</i>	
<i>Multiple R</i>	0.9924
<i>R Square</i>	0.9850
<i>Adjusted R Square</i>	0.9848
<i>Standard Error</i>	0.0259
<i>Observations</i>	162

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
<i>Regression</i>	1	7.0173	7.0173	10453.61	1.2E-147
<i>Residual</i>	160	0.1074	0.0007		
<i>Total</i>	161	7.1247			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
<i>Intercept</i>	-5.2285	0.0696	-75.0996	1.2E-126	-5.3659	-5.0910	-5.3660	-5.0910
<i>Log L</i>	3.0905	0.0302	102.2429	1.2E-147	3.0308	3.1501	3.0308	3.1502

Lampiran 16. Uji statistik hubungan panjang dan bobot ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina pada bulan gelap

<i>Regression Statistics</i>	
<i>Multiple R</i>	0.9833
<i>R Square</i>	0.9670
<i>Adjusted R Square</i>	0.9667
<i>Standard Error</i>	0.0273
<i>Observations</i>	111

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
<i>Regression</i>	1	2.3710	2.3710	3190.028	1.5E-82
<i>Residual</i>	109	0.0810	0.0007		
<i>Total</i>	110	2.4520			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
<i>Intercept</i>	-4.7210	0.1216	-38.81327	1.21E-65	-4.96208	-4.4799	-4.9621	-4.47994
<i>Log L</i>	2.8783	0.0510	56.4803	1.5E-82	2.7773	2.9793	2.7773	2.9793

Lampiran 17. Uji statistik hubungan panjang dan bobot ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina pada bulan terang

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*Regression Statistics*

<i>Multiple R</i>	0.9922
<i>R Square</i>	0.9845
<i>Adjusted R Square</i>	0.9842
<i>Standard Error</i>	0.0180
<i>Observations</i>	60

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ANOVA

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	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
<i>Regression</i>	1	1.1920	1.1919	3675.599	3.71E-54
<i>Residual</i>	58	0.0188	0.0003		
<i>Total</i>	59	1.2108			

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	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
<i>Intercept</i>	-5.4044	0.1238	-43.6402	4.71E-46	-5.6523	-5.1565	-5.6523	-5.1565
<i>Log L</i>	3.1666	0.0522	60.6267	3.71E-54	3.0621	3.2712	3.0621	3.2712

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Lampiran 18. Uji statistik faktor kondisi keseluruhan ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan dan betina.

*t*-Test: Two-Sample Assuming Equal Variances

	Betina	Jantan
<i>Mean</i>	0.9774	1.0710
<i>Variance</i>	0.0033	0.2731
<i>Observations</i>	171.0000	300.0000
<i>Pooled Variance</i>	0.1753	
<i>Hypothesized Mean Difference</i>	0.0000	
<i>df</i>	469.0000	
<i>t Stat</i>	-2.3319	
<i>P(T&lt;=t) one-tail</i>	0.0101	
<i>t Critical one-tail</i>	1.6481	
<i>P(T&lt;=t) two-tail</i>	0.0201	
<i>t Critical two-tail</i>	1.9650	

Lampiran 19. Uji statistik faktor kondisi pada ikan layang (*Decapterus macrosoma* Bleeker, 1851) jantan pada bulan gelap dan jantan pada bulan terang.

*t*-Test: Two-Sample Assuming Equal Variances

	Jantan gelap	Jantan terang
<i>Mean</i>	0.9799	0.9852
<i>Variance</i>	0.0008	0.2018
<i>Observations</i>	138	162
<i>Pooled Variance</i>	0.1094	
<i>Hypothesized Mean Difference</i>	0	
<i>df</i>	298	
<i>t Stat</i>	-0.1373	
<i>P(T&lt;=t) one-tail</i>	0.4454	
<i>t Critical one-tail</i>	1.6500	
<i>P(T&lt;=t) two-tail</i>	0.8909	
<i>t Critical two-tail</i>	1.9680	

Lampiran 20. Uji statistik faktor kondisi pada ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina pada bulan gelap dan betina pada bulan terang.

*t-Test: Two-Sample Assuming Equal Variances*

	Betina gelap	Betina terang
<i>Mean</i>	1.0024	0.9855
<i>Variance</i>	0.0888	0.0636
<i>Observations</i>	111	60
<i>Pooled Variance</i>	0.0800	
<i>Hypothesized Mean Difference</i>	0	
<i>df</i>	169	
<i>t Stat</i>	0.3716	
<i>P(T&lt;=t) one-tail</i>	0.3553	
<i>t Critical one-tail</i>	1.6539	
<i>P(T&lt;=t) two-tail</i>	0.7106	
<i>t Critical two-tail</i>	1.9741	

Lampiran 21. Uji statistik faktor kondisi pada ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina dan jantan pada bulan gelap.

*t*-Test: Two-Sample Assuming Equal Variances

	Betina	Jantan
<i>Mean</i>	1.0023	0.9799
<i>Variance</i>	0.0887	0.0009
<i>Observations</i>	111	138
<i>Pooled Variance</i>	0.0400	
<i>Hypothesized Mean Difference</i>	0	
<i>df</i>	247	
<i>t Stat</i>	0.8815	
<i>P(T&lt;=t) one-tail</i>	0.1894	
<i>t Critical one-tail</i>	1.6510	
<i>P(T&lt;=t) two-tail</i>	0.3789	
<i>t Critical two-tail</i>	1.9696	

Lampiran 22. Uji statistik faktor kondisi pada ikan layang (*Decapterus macrosoma* Bleeker, 1851) betina dan jantan pada bulan terang.

*t-Test: Two-Sample Assuming Equal Variances*

	betina	jantan
<i>Mean</i>	0.9856	0.9852
<i>Variance</i>	0.0636	0.2018
<i>Observations</i>	60.0000	162
<i>Pooled Variance</i>	0.1647	
<i>Hypothesized Mean Difference</i>	0	
<i>df</i>	220.0000	
<i>t Stat</i>	0.0062	
<i>P(T&lt;=t) one-tail</i>	0.4975	
<i>t Critical one-tail</i>	1.6518	
<i>P(T&lt;=t) two-tail</i>	0.9951	
<i>t Critical two-tail</i>	1.9708	