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LAMPIRAN

Lampiran 1. Distribusi frekuensi panjang total (mm) peperek *Leiognathus equula* di perairan Takalar.

Selang Kelas panjang (mm)	Jantan		Betina		Jumlah (ekor)
	Jumlah (ekor)	(f%)	Jumlah (ekor)	(f%)	
77 - 80	1	0.38	2	0.41	3
81 - 84	6	2.29	0	0.00	6
85 - 89	38	14.50	37	7.58	75
90 - 94	77	29.39	108	22.13	185
95 - 99	80	30.53	172	35.25	252
100 - 104	45	17.18	96	19.67	141
105 - 110	14	5.34	58	11.89	72
111 - 115	1	0.38	15	3.07	16
Jumlah (ekor)	262	34.93	488	54.22	750

Lampiran 2. Distribusi frekuensi bobot (g) ikan peperek (*Leiognathus equula*) di perairan Takalar.

Selang kelas bobot (g)	Jantan		Betina		Jumlah (ekor)
	Jumlah (ekor)	(f%)	Jumlah (ekor)	(f%)	
11.1-14.0	18	6.87	7	1.30	25
14.1-17.0	85	32.44	115	21.38	200
17.1-20.0	95	36.26	218	40.52	313
20.1-23.0	50	19.08	90	16.73	140
23.1-26.0	12	4.58	47	8.74	59
26.1-29.00	2	0.76	7	1.30	9
29.1-32.00	0	0.00	4	0.74	4
Jumlah (ekor)	262	29.11	488	54.22	750

Lampiran 3. Analisi regresi hubungan panjang bobot ikan peperek (*Leiognathus equula*) jantan di perairan Takalar.

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.8419
R Square	0.7087
Adjusted R Square	0.7076
Standard Error	0.0376
Observations	262

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	0.8964	0.8964	632.6953	0.0000
Residual	260	0.3684	0.0014		
Total	261	1.2647			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>
Intercept	-3.0858	0.1723	17.9108	0.0000	-3.4251	-2.7465
X Variable 1	2.1934	0.0872	25.1534	0.0000	2.0217	2.3651

Lampiran 4. Analisi regresi hubungan panjang bobot ikan peperek (*Leiognathus equula*) betina di perairan Takalar.

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.7717
R Square	0.5955
Adjusted R Square	0.5946
Standard Error	0.0421
Observations	488

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	1.2676	1.2676	715.3815	0.0000
Residual	486	0.8612	0.0018		
Total	487	2.1288			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>
Intercept	-2.3442	0.1353	17.3291	0.0000	-2.6100	-2.0784
X Variable 1	1.8206	0.0681	26.7466	0.0000	1.6868	1.9543

Lampiran 5. Nisbah kelamin ikan peperek (*Leiognathus equula*), berdasarkan waktu pengambilan sampel di perairan Takalar.

waktu pengamatan	Oij	Oib	ei	xhit jantan	xhit betina
April	25	125	75	65,34	65,34
Mei	34	116	75	43,74	43,74
Juni	44	106	75	24,8	24,8
Juli	45	105	75	23,3	23,3
Agustus	114	36	75	39,52	39,52
September	68	82	75	1,12	1,12
Total				197,82	197,82
X _{hitung}				395,64	
X _{tabel}				3,84	
$X_{hit} > X_{tab}$ (Tolak H ₀) : Kondisi tidak seimbang					

Lampiran 6. Nisbah kelamin ikan peperek (*Leiognathus equula*), berdasarkan tingkat kematangan gonad di perairan Takalar.

TKG	Oij	Oib	ei	xhit jantan	xhit betina
I	38	60	49	4,5	4,5
II	161	407	284	106,1	106,1
III	92	69	80,5	3	3
IV	34	30	32	0,14	0,14
V	5	4	5	0	0
Total				113,74	113,74
xhitung				227,48	
x _{tabel}				3,84	
$X_{hit} > X_{tab}$ (Tolak H ₀): Kondisi tidak seimbang					
kesimpulan					

Lampiran 7. Tingkat kematangan gonad ikan peperek jantan (*Leiognathus equula*) di perairan Takalar.

Waktu Sampling	Tkg					Jumlah	%Tkg (frek) jantan					Total
	1	2	3	4	5		1	2	3	4	5	
April 2023	7	13	5	0	0	25	28%	52%	20%	0%	0%	100%
Mei 2023	4	24	6	0	0	34	12%	71%	18%	0%	0%	100%
Juni 2023	15	28	1	0	0	44	34%	64%	2%	0%	0%	100%
Juli 2023	8	35	2	0	0	45	18%	78%	4%	0%	0%	100%
Agustus 2023	4	38	60	12	0	114	4%	33%	53%	11%	0%	100%
September 2023	0	23	18	22	5	68	0%	34%	26%	32%	7%	100%

Lampiran 8. Tingkat kematangan gonad ikan peperek betina (*Leiognathus equula*) di perairan Takalar.

Waktu Sampling	tkg					jumlah	%Tkg (frek) betina					total
	1	2	3	4	5		1	2	3	4	5	
Apr-23	13	96	11	5	0	125	10%	77%	9%	4%	0%	100%
MEI 2023	12	85	15	4	0	116	10%	73%	13%	3%	0%	100%
JUNI 2023	21	82	2	1	0	106	20%	77%	2%	1%	0%	100%
JULI 2023	14	86	4	1	0	105	13%	82%	4%	1%	0%	100%
AGUSTUS 2023	0	32	3	1	0	36	0%	89%	8%	3%	0%	100%
Sep-23	0	26	34	18	4	82	0%	32%	41%	22%	5%	100%

Lampiran 9. Indeks kematangan gonad ikan peperek (*Leiognathus equula*) di perairan Takalar.

Bulan Pengamatan	Jantan		Betina	
	IKG Rata-rata	Simpangan Baku	IKG Rata-rata	Simpangan Baku
April 2023	1,1699	0,4000	1,2124	0,3498
Mei 2023	1,4012	0,4926	1,1828	0,4996
Juni 2023	0,1854	0,1428	0,2088	0,1613
Juli 2023	1,1901	0,4247	1,2177	0,3779
Agustus 2023	1,1119	0,5719	1,2158	0,4274
September 2023	0,8830	0,2467	2,2284	0,4643

Lampiran 10. Hubungan antara fekunditas dengan panjang total tubuh ikan peperek (*Leiognathus equula*) di perairan Takalar.

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.0795
R Square	0.0063
Adjusted R Square	-0.00403
Standard Error	10129.43
Observations	98

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	62697262	62697262	0.611053	0.436315
Residual	96	9.85E+09	1.03E+08		
Total	97	9.91E+09			

	<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>
Intercept	25605.1	17462.7	1.466274	0.145842	-9058.09	60268.29	9058.085887	60268.29
95	134.0659	171.5059	0.781699	0.436315	-206.371	474.5024	206.3705409	474.5024

Lampiran 11. Hubungan antara fekunditas dengan bobot tubuh ikan peperek (*Leiognathus equula*) di perairan Takalar.

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.5135
R Square	0.2637
Adjusted R Square	0.2560
Standard Error	8719.6451
Observations	98

ANOVA

	df	SS	MS	Significance	
				F	F
Regression	1	2613711235	2.61E+09	34.37637	6.41E-08
Residual	96	7299092200	76032210		
Total	97	9912803435			

	Coefficients	Standard		P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%	
		Error	t Stat						
Intercept	5244.0482	5863.4633	0.8944	0.373366	-6394.83	16882.93	-6394.83	16882.93	
	17.57	1611.5465	274.8608	5.8631	6.41E-08	1065.952	2157.141	1065.952	2157.141

Lampiran 12. Hubungan antara fekunditas dengan bobot gonad ikan peperek (*Leiognathus equula*) di perairan Takalar.

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.5099
R Square	0.2600
Adjusted R Square	0.2523
Standard Error	8741.4233
Observations	98

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2.58E+09	2577205297	33.7275439	8.20064E-08
Residual	96	7.34E+09	76412480.6		
Total	97	9.91E+09			

	<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>
Intercept	21113.979	3242.335	6.5120	0.0000	14677.9958	27549.9631	14677.9958	27549.9631
0.36	28552.129	4916.388	5.8075	0.0000	18793.1764	38311.0822	18793.1764	38311.0822

Lampiran 13. Kisaran dan jumlah telur berdasarkan tingkat kematangan gonad ikan peperek (*Leiognathus equula*) di perairan Takalar.

Kisaran diameter telur (mm)	TKG III		TKG IV	
	Jumlah (butir)	Persen (%)	Jumlah (butir)	Persen (%)
0.11-0.15	2	0.01	0	0
0.16-0.20	0	0.00	0	0
0.21-0.25	1	0.00	0	0
0.26-0.30	7	0.03	0	0
0.31-0.35	72	0.32	620	7.13
0.36-0.40	940	4.18	812	9.33
0.41-0.45	3613	16.06	1681	19.32
0.46-0.50	4642	20.63	1278	14.69
0.51-0.55	1368	6.08	1784	20.51
0.56-0.60	8243	36.64	1527	17.55
0.61-0.65	3565	15.84	998	11.47
0.66-0.70	47	0.21	0	0
0.71-0.75	0	0.00	0	0
0.76-0.80	0	0.00	0	0
0.81-0.85	0	0.00	0	0

Lampiran 14. Diameter telur ikan peperek betina (*Leiognathus equula*) di perairan Takalar.

