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LAMPIRAN

Lampiran 1. Analisi regresi hubungan panjang bobot ikan bungo (*Glossogobius giuris*) jantan di Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.659974
R Square	0.435566
Adjusted R Square	0.43206
Standard Error	0.230688
Observations	163

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	6.61176704	6.611767038	124.2412626	9.55E-22
Residual	161	8.56796261	0.053217159		
Total	162	15.1797296			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.5673	0.44305138	-10.30874283	1.87993E-19	-5.44224	-3.692361	-5.44224	-3.69236
Log L	2.234325	0.20045339	11.14635647	9.54613E-22	1.838468	2.630182	1.838468	2.630182

Lampiran 2. Analisi regresi hubungan panjang bobot ikan bungo *(Glossogobius giuris*) Betina di perairan Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.115206
R Square	0.013272
Adjusted R Square	-0.00082
Standard Error	0.251081
Observations	72

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.05935762	0.059357619	0.941564942	0.335217
Residual	70	4.41290148	0.06304145		
Total	71	4.4722591			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-0.3315	0.72223095	-0.458994953	0.647659896	-1.77194	1.1089438	-1.77194	1.108944
log l	0.313614	0.32319968	0.970342693	0.335216692	-0.33099	0.9582159	-0.33099	0.958216

Lampiran 3. Analisi regresi hubungan panjang bobot ikan bungo *(Glossogobius giuris)* jantan pada bulan September di perairan Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.950441474
R Square	0.903338996
Adjusted R Square	0.901917511
Standard Error	0.070632176
Observations	70

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3.170396187	3.170396187	635.4894854	3.19188E-36
Residual	68	0.339245488	0.004988904		
Total	69	3.509641676			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.358860126	0.233653554	-22.93506788	1.0135E-33	-5.825108535	-4.8926	-5.825108535	-4.892611718
log l	2.654442803	0.105297773	25.20891678	3.19188E-36	2.444324368	2.86456	2.444324368	2.864561238

Lampiran 4. Analisi regresi hubungan panjang bobot ikan bungo (*Glossogobius giuris*) betina pada bulan September di Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.900446256
R Square	0.81080346
Adjusted R Square	0.804891068
Standard Error	0.066194594
Observations	34

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.600893392	0.600893392	137.1362853	4.16094E-13
Residual	32	0.140215177	0.004381724		
Total	33	0.74110857			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.736426127	0.449469528	-10.53781364	6.1967E-12	-5.651965596	-3.8209	-5.651965596	-3.820886658
log l	2.3780645	0.203070781	11.71052028	4.16094E-13	1.964422855	2.79171	1.964422855	2.791706145

Lampiran 5. Analisi regresi hubungan panjang bobot ikan bungo *(Glossogobius giuris*) jantan pada bulan Oktober di perairan Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.689076
R Square	0.474825
Adjusted R Square	0.465277
Standard Error	0.22846
Observations	57

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.595458	2.595458	49.72704	3.10319E-09
Residual	55	2.870675	0.052194		
Total	56	5.466133			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.66671	0.825064	-6.8682	6.2E-09	-7.320173588	-4.01324128	-7.32017	-4.013241276
log l	2.674615	0.379284	7.05174	3.1E-09	1.914511943	3.43471762	1.914512	3.434717619

Lampiran 6. Analisi regresi hubungan panjang bobot ikan bungo (*Glossogobius giuris*) Betina pada bulan Oktober di perairan Danau Sidenreng

Regression Statistics	
Multiple R	0.5274
R Square	0.278098
Adjusted R Square	0.237993
Standard Error	0.275055
Observations	20

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.524604	0.524604	6.934142	0.016874375
Residual	18	1.361795	0.075655		
Total	19	1.886399			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-5.6605	2.249664	-2.51615	0.021571	-10.38686946	-0.93413171	-10.3869	-0.934131708
log l	2.714107	1.030696	2.633276	0.016874	0.548695021	4.87951894	0.548695	4.879518939

Lampiran 7. Analisi regresi hubungan panjang bobot ikan bungo *(Glossogobius giuris*) jantan pada bulan November di perairan Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.268490108
R Square	0.072086938
Adjusted R Square	0.044795378
Standard Error	0.209662747
Observations	36

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.11611	0.11611	2.641364	0.113349
Residual	34	1.494588	0.043958		
Total	35	1.610698			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-0.824892044	0.756033	-1.09108	0.28291	-2.36134	0.711551	-2.36134	0.711551
log L	0.54663977	0.336347	1.625227	0.113349	-0.1369	1.230178	-0.1369	1.230178

Lampiran 8. Analisi regresi hubungan panjang bobot ikan bungo (*Glossogobius giuris*) Betina pada bulan November di perairan Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.198418175
R Square	0.039369772
Adjusted R Square	-0.020669617
Standard Error	0.114336509
Observations	18

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.008572	0.008572	0.655732	0.42995
Residual	17	0.209165	0.013073		
Total	18	0.217738			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-0.2900365	0.59605	-0.4866	0.633142	-1.55361	0.973534	-1.55361	0.973534
log l	0.207184036	0.255854	0.809773	0.42995	-0.3352	0.749571	-0.3352	0.749571

Lampiran 9. Uji statistik koefisien regresi ikan bungo *(Glossogobius giuris)* jantan di perairan Danau Sidenreng

t_{hitung} $= \frac{(3-B)}{SE}$

$= \frac{3-2,2343}{0,2005}$

= 3,8197

Db = n – 2

= 163 – 2

=161

$t_{0,05(163)}$ = 1,9748

Karena $t_{hitung} > t_{tabel}$ maka kesimpulannya adalah koefisien regresi hubungan panjang bobot ikan bungo jantan berbeda nyata

Lampiran 10. Uji statistik koefisien regresi ikan bungo *(Glossogobius giuris)* jantan di perairan Danau Sidenreng

t_{hitung} $= \frac{(3-B)}{SE}$

$= \frac{3-0,3136}{0,3231}$

= 8,3118

Db = n – 2

= 72 – 2

=70

$t_{0,05(70)}$ = 1,9944

Karena $t_{hitung} > t_{tabel}$ maka kesimpulannya adalah koefisien regresi hubungan panjang bobot ikan bungo jantan berbeda nyata

Lampiran 11. Uji statistik koefisien regresi keseluruhan ikan bungo *Glossogobius giuris)* di perairan Danau Sidenreng

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

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

$= \frac{(2.2343 - 0.3136)}{\sqrt{0.0019}}$

= -51.0341

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

$= \frac{157.7812}{134971.8750} + \frac{157.7812}{216172.3190}$

= 0.0019

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

$= \frac{362.8573 + 159.78123}{231}$

= 157.3253

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

$= \sum(574.0626)^2 - \frac{\sum 26756.9773}{\Sigma\ 216172.3190}$

= 362.8573

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

$= \sum(204.2097)^2 - \frac{\sum 2448.7938}{\Sigma\ 134971.8750}$

=159.7812

$t_{0,05(231)}$ =-51.0341

karena $t_{hitung} < t_{tabel}$ maka kesimpulannya adalah koefisien regresi hubungan panjang bobot ikan bungo jantan dan betina tidak berbeda nyata