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LAMPIRAN

Lampiran 1. Analisis regresi hubungan panjang - bobot ikan sapu-sapu, (*Pterygoplichtys pardalis)* Jantan di Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.904200364
R Square	0.817578298
Adjusted R Square	0.817481162
Standard Error	0.096693528
Observations	1880

ANOVA

	df	SS	MS	F	Significance F
Regression	1	78.6943	78.6943	8416.828	0
Residual	1878	17.55862	0.00935		
Total	1879	96.25292			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.002874146	0.06593	-60.714	0	-4.13218	-3.87357	-4.13218	-3.87357
X Variable 1	2.513334034	0.027395	91.74327	0	2.459606	2.567062	2.459606	2.567062

Lampiran 2. Analisis regresi hubungan panjang - bobot ikan sapu-sapu, (*Pterygoplichtys pardalis)* Betina di Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.896284446
R Square	0.803325808
Adjusted R Square	0.8029708
Standard Error	0.100076303
Observations	556

ANOVA

	df	SS	MS	F	Significance F
Regression	1	22.66296	22.66296	2262.841	8.8E-198
Residual	554	5.548458	0.010015		
Total	555	28.21142			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.022740189	0.127663	-31.5106	1.2E-125	-4.2735	-3.77198	-4.2735	-3.77198
X Variable 1	2.528198117	0.053148	47.56933	8.8E-198	2.423803	2.632594	2.423803	2.632594

Lampiran 3. Analisis regresi hubungan panjang - bobot ikan sapu-sapu, (*Pterygoplichtys Pardalis)* Jantan di Mojong Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.8283173
R Square	0.6861096
Adjusted R Square	0.6851864
Standard Error	0.1084295
Observations	342

ANOVA

	df	SS	MS	F	Significance F
Regression	1	8.737541	8.737541	743.1807	1.48E-87
Residual	340	3.997364	0.011757		
Total	341	12.73491			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.0783284	0.183167	-16.8062	1.45E-46	-3.43861	-2.71805	-3.43861	-2.71805
X Variable 1	2.1110051	0.077436	27.26134	1.48E-87	1.958691	2.263319	1.958691	2.263319

Lampiran 4. Analisis regresi hubungan panjang – bobot ikan sapu-sapu (*Pterygoplichtys pardalis)* Jantan di Teteaji Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.9498446
R Square	0.9022048
Adjusted R Square	0.9017109
Standard Error	0.0732071
Observations	200

ANOVA

	df	SS	MS	F	Significance F
Regression	1	9.789456	9.789456	1826.639	6.6E-102
Residual	198	1.061136	0.005359		
Total	199	10.85059			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.488986	0.155082	-28.9459	4.5E-73	-4.79481	-4.18316	-4.79481	-4.1831613
X Variable 1	2.7124081	0.063464	42.73919	6.6E-102	2.587256	2.837561	2.587256	2.83756063

Lampiran 5. Analisis regresi hubungan panjang – bobot ikan sapu-sapu *(Pterygoplichtys pardalis)* Jantan di Wette'e Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.90074464
R Square	0.8113409
Adjusted R Square	0.81086449
Standard Error	0.08558068
Observations	398

ANOVA

	df	SS	MS	F	*Significance F*
Regression	1	12.47304	12.473	1703.024	1.7E-145
Residual	396	2.900325	0.00732		
Total	397	15.37336			

	Coefficients	*Standard Error*	t Stat	P-value	Lower 95%	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-3.97720017	0.147497	-26.9647	1.14E-91	-4.26717	-3.68723	-4.26717	-3.68723
X Variable 1	2.51216708	0.060875	41.2677	1.7E-145	2.392489	2.631845	2.392489	2.631845

Lampiran 6. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis)* Betina di Mojong Danau
Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.671703
R Square	0.451184
Adjusted R Square	0.448413
Standard Error	0.121073
Observations	200

ANOVA

	df	SS	MS	F	Significance F
Regression	1	2.386105	2.386105	162.776958	1.34E-27
Residual	198	2.90243	0.014659		
Total	199	5.288535			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-2.17737	0.318042	-6.84616	9.3023E-11	-2.80455	-1.55018	-2.80455	-1.55018
X Variable 1	1.731308	0.135699	12.75841	1.3381E-27	1.463706	1.998909	1.463706	1.998909

Lampiran 7. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis*) Betina di Teteaji Danau
Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.945928
R Square	0.894779
Adjusted R Square	0.893787
Standard Error	0.063849
Observations	108

ANOVA

	df	SS	MS	F	Significance F
Regression	1	3.674746	3.674746	901.4058	1.21E-53
Residual	106	0.432128	0.004077		
Total	107	4.106875			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.47562	0.221527	-20.2035	3.88E-38	-4.91482	-4.03642	-4.91482	-4.03642298
X Variable 1	2.713538	0.090381	30.02342	1.21E-53	2.534349	2.892726	2.534349	2.892726376

Lampiran 8. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis)* Betina di Wette'e Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.92084022
R Square	0.84794671
Adjusted R Square	0.84732861
Standard Error	0.07805155
Observations	248

ANOVA

	df	SS	MS	F	Significance F
Regression	1	8.35739391	8.357394	1371.854	1.3E-102
Residual	246	1.49864283	0.006092		
Total	247	9.85603675			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.3807456	0.17577857	-24.922	3.02E-69	-4.72697	-4.03452	-4.72697	-4.03452258
X Variable 1	2.68275239	0.07243137	37.03855	1.3E-102	2.540088	2.825417	2.540088	2.825417128

Lampiran 9. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan Bulan Juli Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.899064229
R Square	0.808316488
Adjusted R Square	0.807754366
Standard Error	0.090087297
Observations	343

ANOVA

	df	SS	MS	F	Significance F
Regression	1	11.6702	11.6702	1437.974	2.3E-124
Residual	341	2.767461	0.008116		
Total	342	14.43766			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.91997234	0.157561	-24.8791	1.23E-78	-4.22989	-3.61006	-4.22989	-3.61006
X Variable 1	2.475947498	0.065293	37.92063	2.3E-124	2.34752	2.604375	2.34752	2.604375

Lampiran 10. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan Bulan Agustus Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.89003449
R Square	0.79216139
Adjusted R Square	0.79110099
Standard Error	0.10980251
Observations	198

ANOVA

	df	SS	MS	F	Significance F
Regression	1	9.0067497	9.00675	747.0394	8.76E-69
Residual	196	2.3630921	0.012057		
Total	197	11.369842			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.9125974	0.2180704	-17.9419	3.17E-43	-4.34266	-3.48253	-4.34266	-3.48253
X Variable 1	2.48270439	0.090835	27.33202	8.76E-69	2.303565	2.661844	2.303565	2.661844

Lampiran 11. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis*) Jantan Bulan September Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.916501439
R Square	0.839974888
Adjusted R Square	0.839571802
Standard Error	0.09470949
Observations	399

ANOVA

	df	SS	MS	F	Significance F
Regression	1	18.691995	18.692	2083.861	4.7E-160
Residual	397	3.5610453	0.00897		
Total	398	22.253041			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.132405789	0.1351474	-30.577	2.1E-106	-4.3981	-3.86671	-4.3981	-3.86671
X Variable 1	2.566385472	0.0562196	45.64932	4.7E-160	2.45586	2.676911	2.45586	2.676911

Lampiran 12. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis)* Betina Bulan Juli Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.906312534
R Square	0.821402409
Adjusted R Square	0.819914095
Standard Error	0.089565118
Observations	122

ANOVA

	df	SS	MS	F	Significance F
Regression	1	4.427305	4.427305	551.9016	1.04E-46
Residual	120	0.962629	0.008022		
Total	121	5.389934			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.85167279	0.253188	-15.2127	8.94E-30	-4.35297	-3.35038	-4.35297	-3.35038
X Variable 1	2.455583483	0.104526	23.49259	1.04E-46	2.248629	2.662537	2.248629	2.662537

Lampiran 13. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis)* Betina Bulan Agustus Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.93277642
R Square	0.87007186
Adjusted R Square	0.8693378
Standard Error	0.07754497
Observations	179

ANOVA

	df	SS	MS	F	*Significance F*
Regression	1	7.12742	7.12742	1185.291	2.34E-80
Residual	177	1.06434	0.006013		
Total	178	8.191761			

	Coefficients	*Standard Error*	t Stat	P-value	Lower 95%	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.6838654	0.196322	-23.858	3.41E-57	-5.0713	-4.29643	-5.0713	-4.29643
X Variable 1	2.80439332	0.081457	34.42806	2.34E-80	2.643642	2.965144	2.643642	2.965144

Lampiran 14. Analisis regresi hubungan panjang – bobot ikan sapu-sapu, *(Pterygoplichtys pardalis*) Betina Bulan September Danau Sidenreng

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.867632828
R Square	0.752786724
Adjusted R Square	0.751809597
Standard Error	0.116285072
Observations	255

ANOVA

	df	SS	MS	F	Significance F
Regression	1	10.417622	10.41762	770.4078	9.65E-79
Residual	253	3.4211211	0.013522		
Total	254	13.838744			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.762864691	0.2079905	-18.0915	1.64E-47	-4.17248	-3.35325	-4.17248	-3.35325
X Variable 1	2.418938715	0.0871494	27.75622	9.65E-79	2.247308	2.590569	2.247308	2.590569

Lampiran 15. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan dan Betina di Danau Sidenreng

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

$$= \sum (28.2114) - \frac{\sum (8,9640)}{\sum (3.5456)}$$

$$= 5,5484$$

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

$$= \sum (96,2529) - \frac{\sum (31,3107)}{\sum (12,4578)}$$

$$= 17,5586$$

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

$$= \frac{5,5484 + 17.5586}{(556 - 2) + (1880 - 2)}$$

$$= 0,0095$$

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

$$= \frac{0,0095}{3,5456} + \frac{0,0095}{12,4578}$$

$$= 0,0054$$

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

$$= \frac{(2,5282 - 2,5133)}{\sqrt{0,733}}$$

$$= 0,2028$$

$t_{0.05(330)} = 1,9609$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina di Danau Sidenreng tidak berbeda nyata.

Lampiran 16. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan dan Betina Mojong di Danau Sidenreng

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

$$= \sum (12.7349) - \frac{\sum (4,1390)}{\sum (1.9607)}$$

$$= 3,9974$$

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

$$= \sum (5,2885) - \frac{\sum (1,3782)}{\sum (0,7961)}$$

$$= 2,9024$$

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

$$= \frac{3,9974 + 2.9024}{(342 - 2) + (200 - 2)}$$

$$= 0,0128$$

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

$$= \frac{0,0128}{1,9607} + \frac{0,0128}{0,7961}$$

$$= 0,0209$$

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

$$= \frac{(2,110 - 1,7313)}{\sqrt{0,1146}}$$

$$= 2,6254$$

$t_{0.05(330)} = 1,9643$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina Mojong di Danau Sidenreng tidak berbeda nyata.

Lampiran 17. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis*) Jantan dan Betina Teteaji di Danau Sidenreng

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

$$= \sum (10.8505) - \frac{\sum (3,6091)}{\sum (1.3306)}$$

$$= 1,0611$$

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

$$= \sum (4,1068) - \frac{\sum (1,3542)}{\sum (0,4990)}$$

$$= 0,4321$$

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

$$= \frac{1,0611 + 0.4321}{(200 - 2) + (108 - 2)}$$

$$= 0,0049$$

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

$$= \frac{0,0049}{1,3306} + \frac{0,0049}{0,4490}$$

$$= 0,0106$$

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

$$= \frac{(2,7124 - 2,7135)}{\sqrt{0,1031}}$$

$$= -0,0109$$

$t_{0.05(330)} = 1,9677$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina Teteaji di Danau Sidenreng tidak berbeda nyata.

Lampiran 18. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan dan Betina Wette'e di Danau Sidenreng

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

$$= \sum (15.3733) - \frac{\sum (4{,}9650)}{\sum (1.9764)}$$

$$= 2{,}9003$$

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

$$= \sum (9{,}8560) - \frac{\sum (3{,}1152)}{\sum (1{,}1612)}$$

$$= 1{,}4986$$

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

$$= \frac{2{,}9003 + 1.4986}{(398 - 2) + (248 - 2)}$$

$$= 0{,}0068$$

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

$$= \frac{0{,}0068}{1{,}9764} + \frac{0{,}0068}{1{,}1612}$$

$$= 0{,}0098$$

$$t = \frac{(b_1 - b_2)}{\sqrt{Var\,(b_{1-}b_2)}}$$

$$= \frac{(2{,}5121 - 2{,}6827)}{\sqrt{0{,}0991}}$$

$$= -1{,}7209$$

$t_{0.05(330)} = 1{,}9636$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina Wette'E di Danau Sidenreng tidak berbeda nyata.

Lampiran 19. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan dan Betina Bulan Juli di Danau Sidenreng

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

$$= \sum (14.4376) - \frac{\sum (4,7134)}{\sum (1.9036)}$$

$$= 2,7674$$

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

$$= \sum (5,3899) - \frac{\sum (1,8029)}{\sum (0,7432)}$$

$$= 0,9263$$

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

$$= \frac{2,7674 + 0.9263}{(343 - 2) + (122 - 2)}$$

$$= 0,0080$$

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

$$= \frac{0,0080}{1,9036} + \frac{0,0080}{0,7342}$$

$$= 0,0136$$

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_{1-}b_2)}}$$

$$= \frac{(2,4759 - 2,4555)}{\sqrt{0,1170}}$$

$$= 0,1740$$

$t_{0.05(330)} = 1,9651$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina Bulan Juli di Danau Sidenreng tidak berbeda nyata.

Lampiran 20. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan dan Betina Bulan Agustus di Danau Sidenreng

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

$$= \sum(11.3698) - \frac{\sum(3,6277)}{\sum(1.4612)}$$

$$= 2,3630$$

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

$$= \sum(8,1917) - \frac{\sum(2,5415)}{\sum(0,9062)}$$

$$= 1,0643$$

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

$$= \frac{2,3630 + 1.0643}{(198 - 2) + (179 - 2)}$$

$$= 0,0091$$

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

$$= \frac{0,0091}{1,4612} + \frac{0,0091}{0,9062}$$

$$= 0,0159$$

$$t = \frac{(b_1 - b_2)}{\sqrt{Var(b_{1-}b_2)}}$$

$$= \frac{(2,4827 - 2,8043)}{\sqrt{0,1262}}$$

$$= -2,5478$$

$t_{0.05(330)} = 1,9663$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina Bulan Agustus di Danau Sidenreng tidak berbeda nyata.

Lampiran 21. Uji statistik koefisien regresi keseluruhan ikan sapu-sapu, *(Pterygoplichtys pardalis)* Jantan dan Betina Bulan September di Danau Sidenreng

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

$$= \sum (22.2530) - \frac{\sum(7{,}2833)}{\sum(2.8379)}$$

$$= 3{,}5610$$

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

$$= \sum (13{,}8387) - \frac{\sum(4{,}3066)}{\sum(1{,}7804)}$$

$$= 3{,}4211$$

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

$$= \frac{3{,}5610 + 3.4211}{(399 - 2) + (255 - 2)}$$

$$= 0{,}0107$$

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

$$= \frac{0{,}0107}{2{,}8379} + \frac{0{,}0107}{1{,}7804}$$

$$= 0{,}0118$$

$$t = \frac{(b_1 - b_2)}{\sqrt{Var\,(b_{1-}b_2)}}$$

$$= \frac{(2{,}5663 - 2{,}4189)}{\sqrt{0{,}1087}}$$

$$= 1{,}3553$$

$t_{0.05(330)} = 1{,}9636$

t hitung < t table

Kesimpulan : koefisien regresi keseluruhan pertumbuhan ikan sapu-sapu jantan dan betina Bulan September di Danau Sidenreng tidak berbeda nyata.