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LAMPIRAN

Lampiran 1. Analisis regresi hubungan panjang - bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) di Stasiun 1 perairan Sungai Batubassi, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.8566
R Square	0.7338
Adjusted R Square	0.7335
Standard Error	0.1544
Observations	825

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	54.07367	54.0736724	2268.4715	9.8894E-239
Residual	823	19.61789	0.0238		
Total	824	73.69157			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.4423	0.0838	-53.0040	1.4651E-267	-4.6069	-4.2778	-4.6069	-4.2778
X Variable 1	2.4173	0.0508	47.6285	9.8894E-239	2.3177	2.5169	2.3177	2.5169

Lampiran 2. Analisis regresi hubungan panjang - bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) di Stasiun 2 perairan Sungai Batubassi, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.8251
R Square	0.6807
Adjusted R Square	0.6803
Standard Error	0.1576
Observations	740

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	39.0742	39.0742	1573.6244	3.7872E-185
Residual	738	18.3251	0.0248		
Total	739	57.3993			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-3.9102	0.0866	-45.1590	1.4076E-214	-4.0802	-3.7402	-4.0802	-3.7402
X Variable 1	2.0909	0.0527	39.6689	3.7872E-185	1.9874	2.1944	1.9874	2.1944

Lampiran 3. Analisis regresi hubungan panjang - bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) di Stasiun 3 perairan Sungai Batubassi, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.8772
R Square	0.7695
Adjusted R Square	0.7691
Standard Error	0.1547
Observations	595

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	47.37366	47.3736645	1979.5440	4.0743E-191
Residual	593	14.19144	0.0239		
Total	594	61.56511			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.7242	0.0952	-49.6111	3.1462E-213	-4.9112	-4.5371	-4.9112	-4.5371
X Variable 1	2.5758	0.0579	44.4921	4.0743E-191	2.4621	2.6895	2.4621	2.6895

Lampiran 4. Analisis regresi hubungan panjang – bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) pada bulan Juli di perairan Sungai Batubassi, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.8774
R Square	0.7699
Adjusted R Square	0.7694
Standard Error	0.1747
Observations	533

ANOVA

	Df	*SS*	*MS*	*F*	*Significance F*
Regression	1	54.2308	54.2308	1776.4954	1.5647E-171
Residual	531	16.2098	0.0305		
Total	532	70.4406			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.4768	0.0975	-45.9234	4.6356E-187	-4.6683	-4.2853	-4.6683	-4.2853
X Variable 1	2.4526	0.0582	42.1485	1.5647E-171	2.3383	2.5669	2.3383	2.5669

Lampiran 5. Analisis regresi hubungan panjang – bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) pada bulan Agustus di perairan Sungai Batubassi, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.7847
R Square	0.6157
Adjusted R Square	0.6151
Standard Error	0.1706
Observations	617

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	28.6945	28.6945	985.4152	7.7579E-130
Residual	615	17.9083	0.0291		
Total	616	46.6027			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.1185	0.1126	-36.5809	1.845E-156	-4.3396	-3.8974	-4.3396	-3.8974
X Variable 1	2.1864	0.0697	31.3913	7.7579E-130	2.0497	2.3232	2.0497	2.3232

Lampiran 6. Analisis regresi hubungan panjang – bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) pada bulan September di perairan Sungai Batubassi

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.7842
R Square	0.6150
Adjusted R Square	0.6143
Standard Error	0.1399
Observations	548

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	17.0633	17.0633	872.3060	2.8747E-115
Residual	546	10.6804	0.0196		
Total	547	27.7436			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-3.7695	0.1109	-33.9861	7.6583E-137	-3.9874	-3.5516	-3.9874	-3.5516
X Variable 1	2.0080	0.0680	29.5348	2.8747E-115	1.8744	2.1415	1.8744	2.1415

Lampiran 7. Analisis regresi hubungan panjang – bobot ikan anculung, *Dermogenys orientalis* (Weber, 1894) pada bulan Oktober di perairan Sungai Batubassi, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.9071
R Square	0.8228
Adjusted R Square	0.8224
Standard Error	0.1133
Observations	462

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	27.4195	27.4195	2135.5584	5.9388E-175
Residual	460	5.9062	0.0128		
Total	461	33.3257			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.4052	0.0865	-50.9063	4.0119E-191	-4.5752	-4.2351	-4.5752	-4.2351
X Variable 1	2.3931	0.0518	46.2121	5.9388E-175	2.2914	2.4949	2.2914	2.4949

Lampiran 8. Uji statistik koefisien regresi keseluruhan ikan anculung, *Dermogenys orientalis* (Weber, 1894) antara Stasiun 1 dan 2 di perairan Sungai Batubassi, Kabupaten Maros.

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

$= \frac{(2{,}4173-2{,}0909)}{\sqrt{0{,}0053}}$

= 4.4638

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

$= \frac{0{,}0243}{9.2539} + \frac{0{,}0243}{8.9376}$

= 0.0053

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

$= \frac{19.6179+18.3251}{(825-2)+(740-2)}$

= 0,0243

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

$= \sum(73.6916) - \frac{\sum(22.3695)}{\sum(9.2539)}$

= 19.6179

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

$= \sum(57.3993) - \frac{\sum(18.6877)}{\sum(8.9376)}$

= 18.3251

$t_{0.05(330)}$= 1,9615

Lampiran 9. Uji statistik koefisien regresi keseluruhan ikan anculung, *Dermogenys orientalis* (Weber, 1894) antara Stasiun 2 dan 3 di perairan Sungai Batubassi, Kabupaten Maros.

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

$= \frac{(2{,}5758-2{,}0909)}{\sqrt{0{,}0061}}$

= 6.1805

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

$= \frac{0{,}0244}{8.9376} + \frac{0{,}0244}{7.1403}$

= 0.0061

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

$= \frac{18.3251+14.1914}{(740-2)+(595-2)}$

= 0,0244

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

$= \sum(57.3993) - \frac{\sum(18.6877)}{\sum(8.9376)}$

=18.3251

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

$= \sum(61.5651) - \frac{\sum(18.3919)}{\sum(7.1403)}$

= 14.1914

$t_{0.05(330)}$= 1,9617

Lampiran 10. Uji statistik koefisien regresi keseluruhan ikan anculung, *Dermogenys orientalis* (Weber, 1894) antara Stasiun 1 dan 3 di perairan Sungai Batubassi, Kabupaten Maros.

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

$= \frac{(2{,}5758-2{,}4173)}{\sqrt{0{,}0239}}$

= 2.0592

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

$= \frac{0.0239}{9.2539} + \frac{0{,}0239}{7.1403}$

= 0.0059

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

$= \frac{19.6179+14.1914}{(825-2)+(595-2)}$

= 0,0239

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

$= \sum(73.6916) - \frac{\sum(22.3695)}{\sum(9.2539)}$

= 19.6179

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

$= \sum(61.5651) - \frac{\sum(18.3919)}{\sum(7.1403)}$

= 14.1914

$t_{0.05(330)}$= 1,9616