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LAMPIRAN

Lampiran 1. Analisis regresi hubungan panjang - bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) berdasarkan waktu pengambilan sampel di Stasiun 1 Sungai Pattunuang

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,9084
R Square	0,8252
Adjusted R Square	0,8250
Standard Error	0,1570
Observations	640

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	74,2293	74,2293	3012,4338	7,7774E-244
Residual	638	15,7209	0,0246		
Total	639	89,9502			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,3683	0,0912	-58,8946	3,7469E-260	-5,5473	-5,1893	-5,5473	-5,1893
X Variable 1	2,9982	0,0546	54,8856	7,7774E-244	2,8909	3,1054	2,8909	3,1054

Lampiran 2. Analisis regresi hubungan panjang - bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) berdasarkan waktu pengambilan sampel di Stasiun 2 Sungai Pattunuang

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,8467
R Square	0,7169
Adjusted R Square	0,7162
Standard Error	0,1812
Observations	427

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	35,33541	35,33541406	1076,062368	1,6117E-118
Residual	425	13,95602	0,032837701		
Total	426	49,29144			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,9455	0,140415	-35,2207128	4,0328E-128	-5,22149697	-4,66951	-5,2215	-4,66951
X Variable 1	2,7454	0,083694	32,80338959	1,6117E-118	2,580944096	2,909956	2,580944	2,909956

Lampiran 3. Analisis regresi hubungan panjang - bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) berdasarkan waktu pengambilan sampel di Stasiun 3 Sungai Pattunuang

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,8343
R Square	0,6960
Adjusted R Square	0,6955
Standard Error	0,1685
Observations	568

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	36,79247	36,7924715	1295,925	1,8E-148
Residual	566	16,06925	0,028390897		
Total	567	52,86172			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,3305	0,109486	-39,55321128	4,8E-165	-4,54556	-4,11547	-4,54556	-4,11547
X Variable 1	2,3807	0,066132	35,9989572	1,8E-148	2,250796	2,510585	2,250796	2,510585

Lampiran 4. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Juli 2020 di Sungai Pattunuang, Kabupaten Maros

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,922632
R Square	0,851251
Adjusted R Square	0,850736
Standard Error	0,173576
Observations	291

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	49,82867	49,82866851	1653,865	1,3E-121
Residual	289	8,70717	0,030128617		
Total	290	58,53584			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,51582	0,129646	-42,54534431	1,9E-126	-5,77099	-5,26065	-5,77099	-5,26065
X Variable 1	3,092959	0,076054	40,66774038	1,3E-121	2,943269	3,24265	2,943269	3,24265

Lampiran 5. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Juli 2020 di Stasiun 1Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,95368
R Square	0,909506
Adjusted R Square	0,908523
Standard Error	0,135719
Observations	94

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	17,03157	17,03157175	924,646	8,78E-50
Residual	92	1,6946	0,01841956		
Total	93	18,72617			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,7607	0,187173	-30,77731308	3,19E-50	-6,13242	-5,38894	-6,13242	-5,38894
X Variable 1	3,2295	0,106207	30,40799169	8,78E-50	3,018601	3,440473	3,018601	3,440473

Lampiran 6. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Juli 2020 di Stasiun 2Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,942615477
R Square	0,888523938
Adjusted R Square	0,887196842
Standard Error	0,145288884
Observations	86

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	14,13291	14,13290946	669,525	8,81E-42
Residual	84	1,773144	0,02110886		
Total	85	15,90605			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-6,0068	0,225849	-26,59667801	1,12E-42	-6,45597	-5,55771	-6,45597	-5,55771
X Variable 1	3,3724	0,130334	25,87518124	8,81E-42	3,113227	3,631594	3,113227	3,631594

Lampiran 7. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Juli 2020 di stasiun 3Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,824573
R Square	0,679921
Adjusted R Square	0,676984
Standard Error	0,213102
Observations	111

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	10,51479	10,51478686	231,5406	1E-28
Residual	109	4,949938	0,045412275		
Total	110	15,46472			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,9803	0,296994	-16,76906202	5,84E-32	-5,56894	-4,39168	-5,56894	-4,39168
X Variable 1	2,7702	0,182055	15,21645922	1E-28	2,409403	3,131056	2,409403	3,131056

Lampiran 8. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Agustus 2020 di Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,836457
R Square	0,69966
Adjusted R Square	0,698747
Standard Error	0,209097
Observations	331

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	33,50914	33,50913895	766,4241967	6,13E-88
Residual	329	14,38434	0,0437214		
Total	330	47,89348			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,59629	0,190014	-29,45194911	3,01555E-94	-5,97009	-5,2225	-5,97009	-5,2225
X Variable 1	3,142219	0,113502	27,68436737	6,1297E-88	2,918939	3,3655	2,918939	3,3655

Lampiran 9. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Agustus 2020 di Stasiun 1Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,859392
R Square	0,738554
Adjusted R Square	0,73696
Standard Error	0,20917
Observations	166

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	20,26949	20,26949243	463,2801	1,21E-49
Residual	164	7,17535	0,043752136		
Total	165	27,44484			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,6749	0,245159	-23,14771716	1,51E-53	-6,15895	-5,1908	-6,15895	-5,1908
X Variable 1	3,1725	0,147396	21,52394165	1,21E-49	2,881504	3,463581	2,881504	3,463581

Lampiran 10. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Agustus 2020 di Stasiun 2Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,895935
R Square	0,8027
Adjusted R Square	0,800203
Standard Error	0,143673
Observations	81

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	6,634437	6,634436554	321,4057	1,43E-29
Residual	79	1,630713	0,020641937		
Total	80	8,26515			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,08272	0,267106	-19,02882968	3,09E-31	-5,61438	-4,55106	-5,61438	-4,55106
X Variable 1	2,835955	0,158188	17,92779154	1,43E-29	2,52109	3,15082	2,52109	3,15082

Lampiran 11. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Agustus 2020 di Stasiun 3Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,862699
R Square	0,74425
Adjusted R Square	0,741131
Standard Error	0,137685
Observations	84

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	4,523682	4,523681945	238,6252	5,33E-26
Residual	82	1,554496	0,01895727		
Total	83	6,078178			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,28642	0,323561	-16,33825532	1,64E-27	-5,93009	-4,64275	-5,93009	-4,64275
X Variable 1	2,972349	0,192416	15,44749744	5,33E-26	2,589571	3,355126	2,589571	3,355126

Lampiran 12. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan September 2020 di Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,851204
R Square	0,724548
Adjusted R Square	0,724016
Standard Error	0,159817
Observations	520

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	34,80159	34,80159026	1362,545	3,9E-147
Residual	518	13,23055	0,02554161		
Total	519	48,03214			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,37768	0,107108	-40,87176645	3,3E-164	-4,5881	-4,16726	-4,5881	-4,16726
X Variable 1	2,421884	0,065611	36,91266548	3,9E-147	2,292987	2,55078	2,292987	2,55078

Lampiran 13. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan September 2020 di Stasiun 1Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,918864
R Square	0,844312
Adjusted R Square	0,843699
Standard Error	0,11336
Observations	256

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	17,70113	17,70113248	1377,463	1,4E-104
Residual	254	3,264035	0,012850532		
Total	255	20,96517			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-5,1493	0,125737	-40,95338872	7E-114	-5,39697	-4,90173	-5,39697	-4,90173
X Variable 1	2,8693	0,07731	37,11418948	1,4E-104	2,717036	3,021535	2,717036	3,021535

Lampiran 14. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan September 2020 di Stasiun 2Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,876083
R Square	0,767521
Adjusted R Square	0,765616
Standard Error	0,123439
Observations	124

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	6,137201	6,137200587	402,7794	1,84E-40
Residual	122	1,858929	0,015237126		
Total	123	7,99613			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,20811	0,192139	-21,9014005	4,3E-44	-4,58847	-3,82775	-4,58847	-3,82775
X Variable 1	2,337272	0,11646	20,06936463	1,84E-40	2,106729	2,567816	2,106729	2,567816

Lampiran 15. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan September 2020 di Stasiun 3 Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,907292
R Square	0,82318
Adjusted R Square	0,821898
Standard Error	0,128342
Observations	140

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	10,58227	10,58227204	642,453	8,96E-54
Residual	138	2,27309	0,016471666		
Total	139	12,85536			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-3,6762	0,129432	-28,40256636	1,66E-59	-3,93213	-3,42028	-3,93213	-3,42028
X Variable 1	2,015106	0,079502	25,34665738	8,96E-54	1,857907	2,172305	1,857907	2,172305

Lampiran 16. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Oktober 2020 di Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,795854
R Square	0,633383
Adjusted R Square	0,632636
Standard Error	0,176399
Observations	493

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	26,39531	26,39530599	848,2729	4,7E-109
Residual	491	15,27822	0,031116528		
Total	492	41,67352			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,70354	0,14805	-31,77005167	3,5E-121	-4,99443	-4,41265	-4,99443	-4,41265
X Variable 1	2,575715	0,088436	29,1251241	4,7E-109	2,401955	2,749476	2,401955	2,749476

Lampiran 17. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Oktober 2020 di Stasiun 1Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,846088
R Square	0,715865
Adjusted R Square	0,713536
Standard Error	0,1597772
Observations	124

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	7,846858	7,846857842	307,3733	3,93E-35
Residual	122	3,114508	0,025528754		
Total	123	10,96137			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,6976984	0,250045	-18,78741891	8,18E-38	-5,19269	-4,20271	-5,19269	-4,20271
X Variable 1	2,5957889	0,14806	17,53206541	3,93E-35	2,30269	2,888888	2,30269	2,888888

Lampiran 18. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Oktober 2020 di Stasiun 2Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,697117
R Square	0,485973
Adjusted R Square	0,482137
Standard Error	0,216678
Observations	136

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	5,947832	5,94783171	126,6865	4,24E-21
Residual	134	6,291196	0,046949226		
Total	135	12,23903			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,32001	0,342122	-12,6271	1,44E-24	-4,99666	-3,64335	-4,99666	-3,64335
X Variable 1	2,318437	0,205982	11,2555	4,24E-21	1,91104	2,725834	1,91104	2,725834

Lampiran 19. Analisis regresi hubungan panjang – bobot ikan julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) pada bulan Oktober 2020 di Stasiun 3 Sungai Pattunuang, Kabupaten Maros.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,827453
R Square	0,684678
Adjusted R Square	0,683313
Standard Error	0,152023
Observations	233

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	11,59211	11,59210882	501,5853	8,07E-60
Residual	231	5,338627	0,023110941		
Total	232	16,93074			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	-4,81355	0,197606	-24,35935023	9,44E-66	-5,20288	-4,42421	-5,20288	-4,42421
X Variable 1	2,643951	0,118054	22,3961006	8,07E-60	2,411351	2,876551	2,411351	2,876551

Lampiran 21. Uji statistik koefisien regresi keseluruhanikan Julung-julung paruh panjang (*Dermogenys orientalis* Weber, 1894) Di Sungai Pattunuang, Kabupaten Maros.

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

$= \frac{(2,9982-2,3807)}{0,1011}$

= 6,1088

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

$= \frac{425,5075}{116370,6734} + \frac{425,5075}{64862,6838}$

= 0,0102

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

$= \frac{289,0032+34,8052}{(640-2+427-2)}$

= 425,5075

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

$= \sum(289,0485) - \frac{\sum(5265,8301)}{\sum(116370,6734)}$

= 289,0032

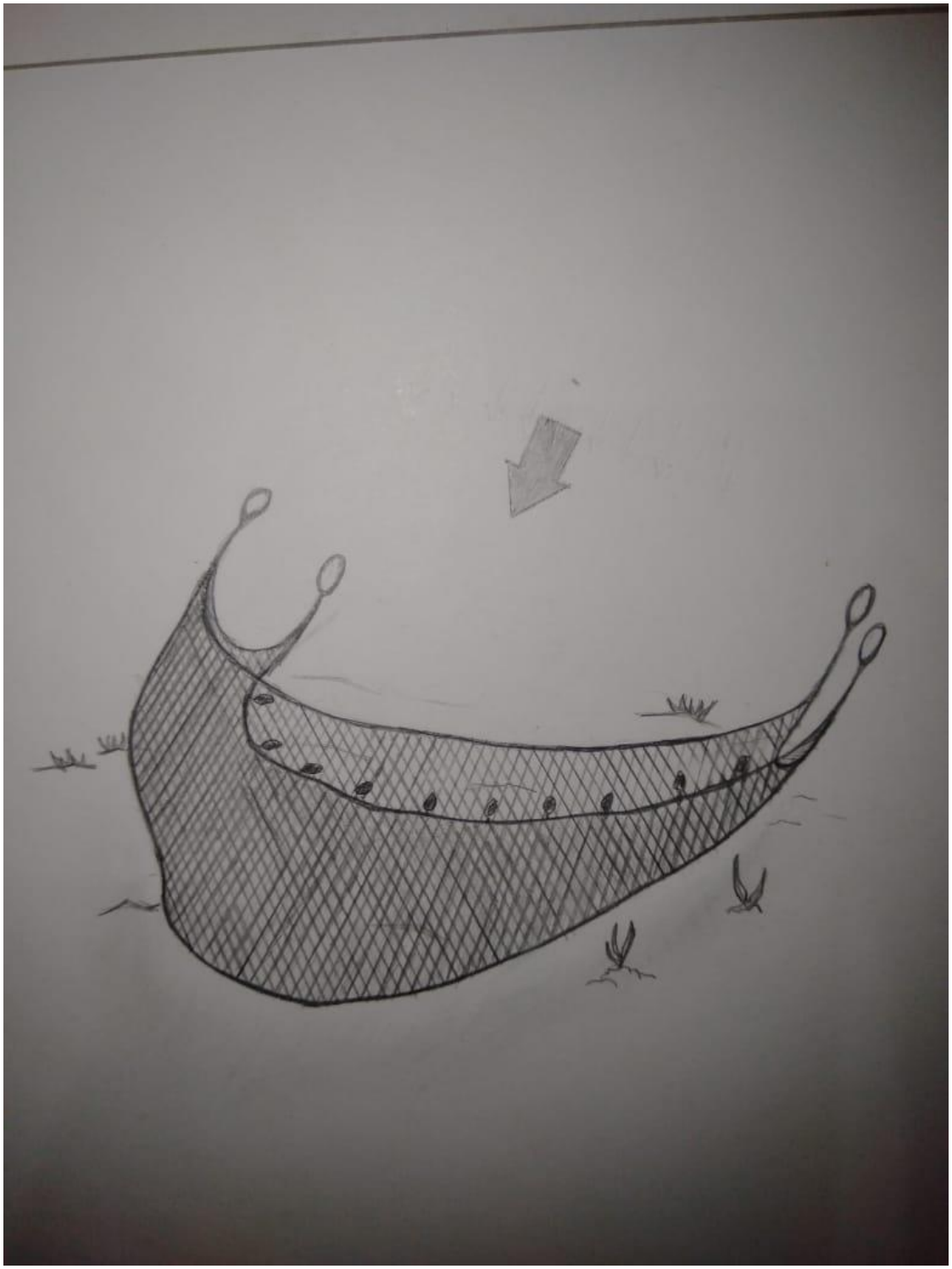
$$JKS_2 = \sum(Y_2 - \bar{Y}_2)^2 - \frac{(\sum(X_2 - \bar{X}_2)(Y_2 - \bar{Y}_2))^2}{\sum(X_2 - \bar{X}_2)^2}$$

$= \sum(148,8126) - \frac{\sum(2719,3427)}{\sum(64862,6838)}$

= 34,8052

T = 1,9622

Lampiran 22. Alat tangkap yang digunakan



Ket :

= Arah Arus