7. LAMPIRAN

7.1. Perhitungan Konsentrasi Maksimum Logam Berat Ikan Bandeng.

7.1.1. Konsentrasi maksimum Pb

MTWI (*Maximum Tolerable Weekly Intake*)=25/µg/kg/mgg x 65 kg bb=1,625 mg/kg bb

Konsumsi ikan perminggu = (49,84/838,54) x 100% = 6%/mgg

Intake Pb maksimum pada ikan = 6% x 1,625 = 0,0975 mg/mgg

Maksimum konsumsi ikan perminggu = 49,84 x 7 = 0,35 kg/mgg

MRL (*Maximum Residu Limit*) = 0,0975 mg/0,35 kg = 0,28 mg/kg bb

7.1.2. Konsentrasi maksimum Cu

MTWI (*Maximum Tolerable Weekly Intake*) = 12/mg/kg/hari x 7 = 84 mg/kg/mgg

Konsumsi ikan perminggu = (49,84/838,54) x 100% = 6%/mgg

Intake Pb maksimum pada ikan = 6% x 84 = 5,22 mg/mgg

Maksimum konsumsi ikan perminggu = 49,84 x 7 = 0,35 kg/mgg

MRL (*Maximum Residu Limit*) = 5,22 mg/0,35 kg = 14,5 mg/kg bb

7.2. Perhitungan Berat Maksimum Ikan yang Diperkenankan

7.2.1. Berat maksimum Pb

$$\log c = \log a + (b - 1) \log x$$

Log 0,28 = Log 0,63 + (1,09 -1) Log x

-0,6 = -0,2 + 0,09 Log x

X = 0,00004 g

7.2.2. Berat Maksimum Cu

$$\log c = \log a + (b - 1) \log x$$

Log 14,5 = Log 0,0003 + (1,75 -1) Log x

1,2 = -3,5 + 0,75 Log x

X = 1812684,6 g

Curve Fit (berat kecil)

tpb

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.795	.632	.619	.033

The independent variable is berat.

ANOVA

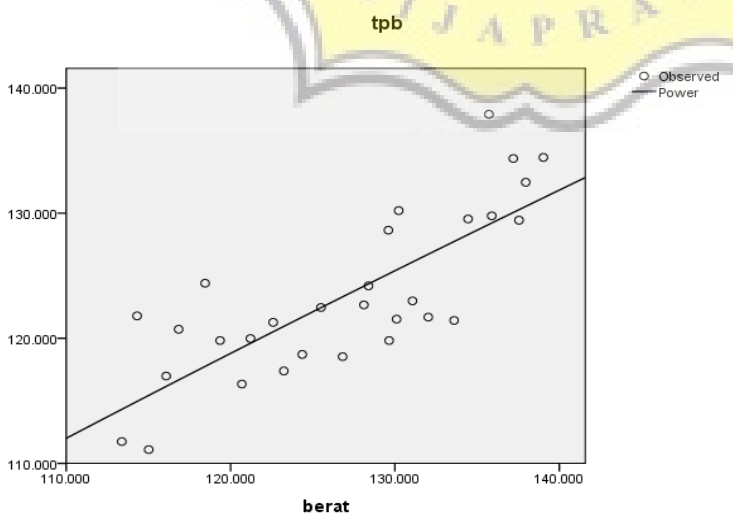
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.051	1	.051	48.035	.000
Residual	.030	28	.001		
Total	.081	29			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	.676	.098	.795	6.931	.000
(Constant)	4.660	2.202		2.116	.043

The dependent variable is ln(tpb).



tcu

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.283	.080	.047	.230

The independent variable is berat.

ANOVA

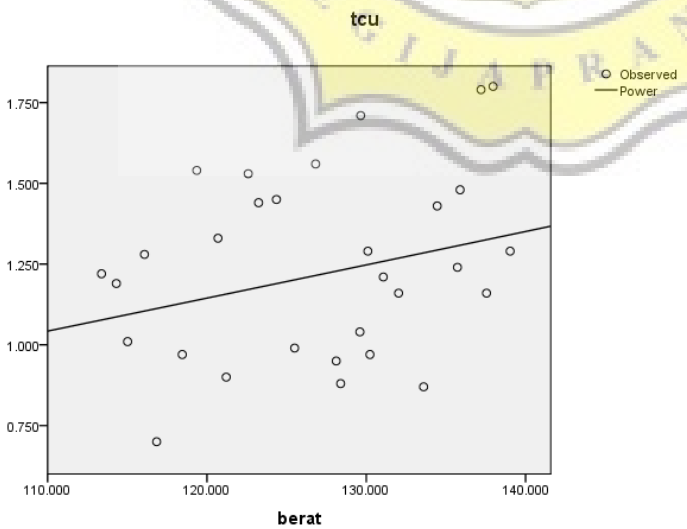
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.129	1	.129	2.433	.130
Residual	1.485	28	.053		
Total	1.614	29			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	1.074	.689	.283	1.560	.130
(Constant)	.007	.022		.300	.767

The dependent variable is ln(tcu).



Curve Fit (berat sedang)

Tpb

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.949	.900	.896	.014

The independent variable is berat.

ANOVA

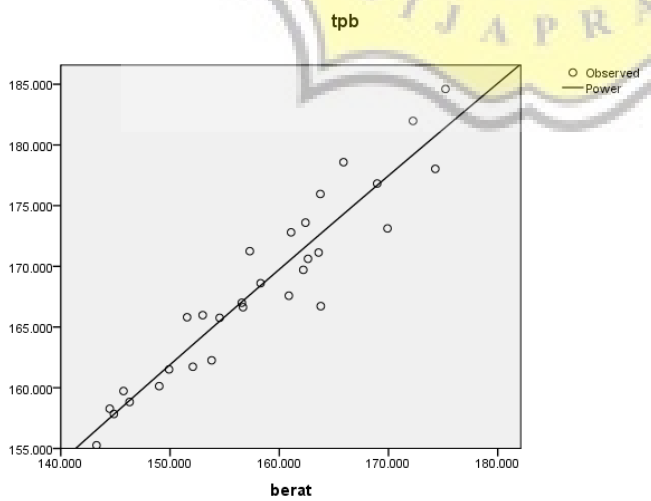
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.052	1	.052	251.066	.000
Residual	.006	28	.000		
Total	.058	29			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	.734	.046	.949	15.845	.000
(Constant)	4.094	.960		4.265	.000

The dependent variable is ln(tpb).



Tcu

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.503	.253	.226	.053

The independent variable is berat.

ANOVA

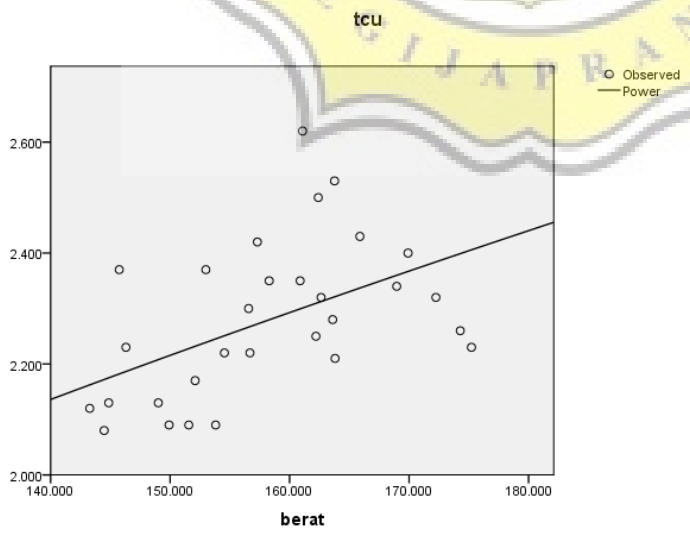
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.027	1	.027	9.468	.005
Residual	.080	28	.003		
Total	.107	29			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	.530	.172	.503	3.077	.005
(Constant)	.156	.136		1.147	.261

The dependent variable is ln(tcu).



Curve Fit (berat besar)

Tpb

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.963	.927	.924	.033

The independent variable is berat.

ANOVA

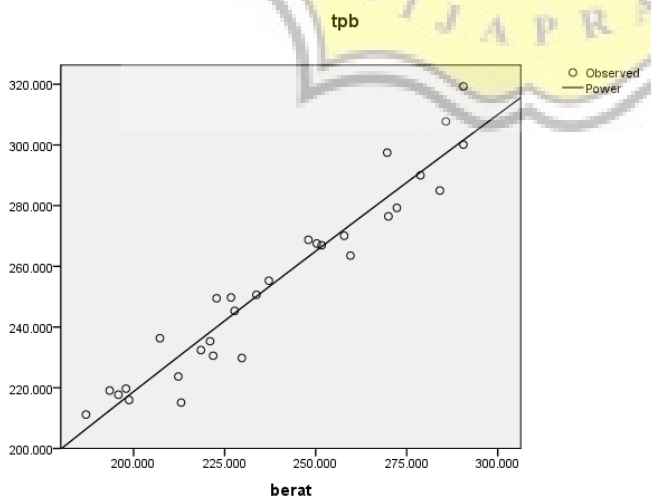
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.383	1	.383	354.955	.000
Residual	.030	28	.001		
Total	.413	29			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	.860	.046	.963	18.840	.000
(Constant)	2.297	.573		4.007	.000

The dependent variable is ln(tpb).



Tcu

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.593	.351	.328	.152

The independent variable is berat.

ANOVA

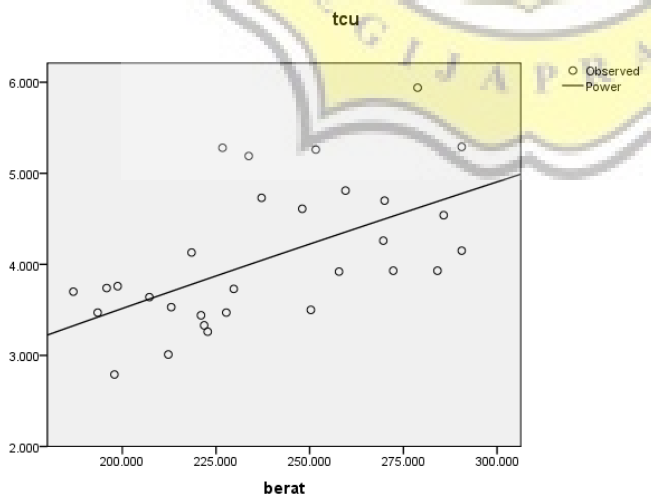
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.349	1	.349	15.157	.001
Residual	.645	28	.023		
Total	.995	29			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	.822	.211	.593	3.893	.001
(Constant)	.045	.052		.866	.394

The dependent variable is ln(tcu).



Curve Fit (panjang kecil)

Pbys

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.061	.004	-.032	.018

The independent variable is panjang.

ANOVA

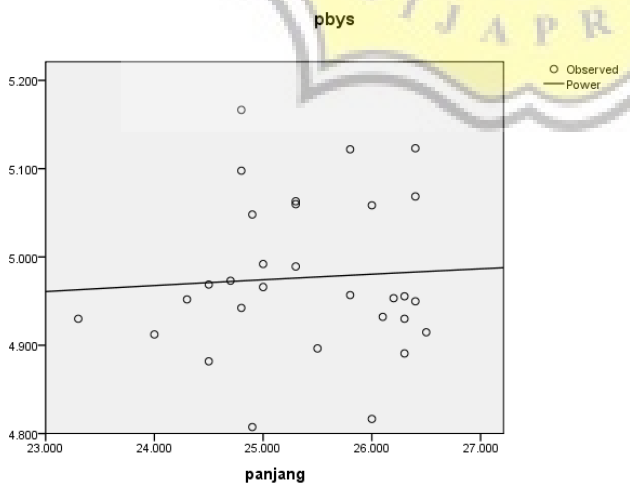
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.000	1	.000	.105	.748
Residual	.009	28	.000		
Total	.009	29			

The independent variable is panjang.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(panjang)	.032	.100	.061	.324	.748
(Constant)	4.483	1.445		3.102	.004

The dependent variable is ln(pbys).



Cuys

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.049	.002	-.033	.080

The independent variable is panjang.

ANOVA

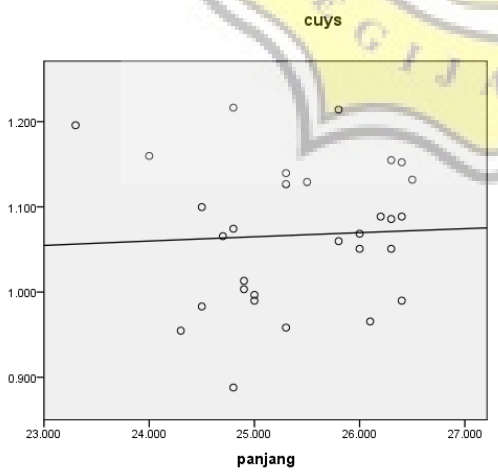
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.000	1	.000	.067	.798
Residual	.179	28	.006		
Total	.179	29			

The independent variable is panjang.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(panjang)	.115	.445	.049	.259	.798
(Constant)	.735	1.058		.694	.493

The dependent variable is ln(cuys).



Curve Fit (panjang sedang)

Pbys

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.253	.064	.031	.015

The independent variable is panjang.

ANOVA

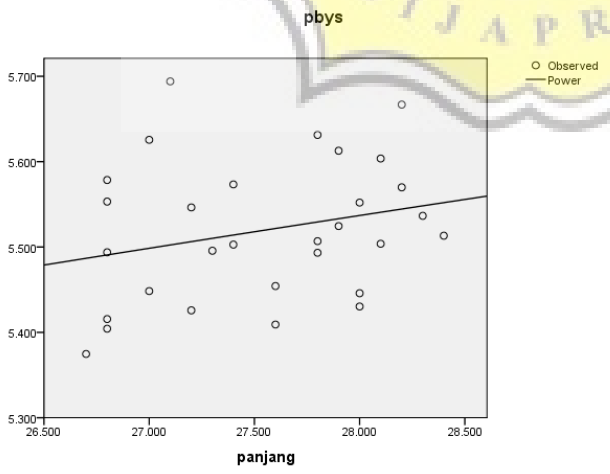
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.000	1	.000	1.922	.177
Residual	.006	28	.000		
Total	.006	29			

The independent variable is panjang.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(panjang)	.191	.138	.253	1.386	.177
(Constant)	2.926	1.339		2.184	.037

The dependent variable is ln(pbys).



Cuys

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.209	.044	.009	.020

The independent variable is panjang.

ANOVA

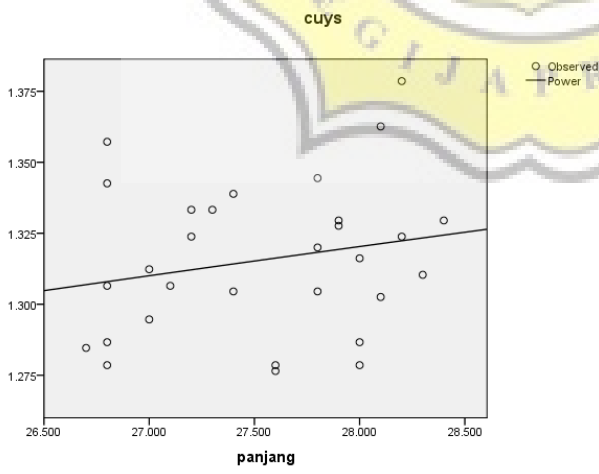
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.001	1	.001	1.277	.268
Residual	.011	28	.000		
Total	.012	29			

The independent variable is panjang.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(panjang)	.215	.190	.209	1.130	.268
(Constant)	.645	.407		1.586	.124

The dependent variable is ln(cuys).



Curve Fit (panjang sedang)

Pbys

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.296	.087	.055	.039

The independent variable is panjang.

ANOVA

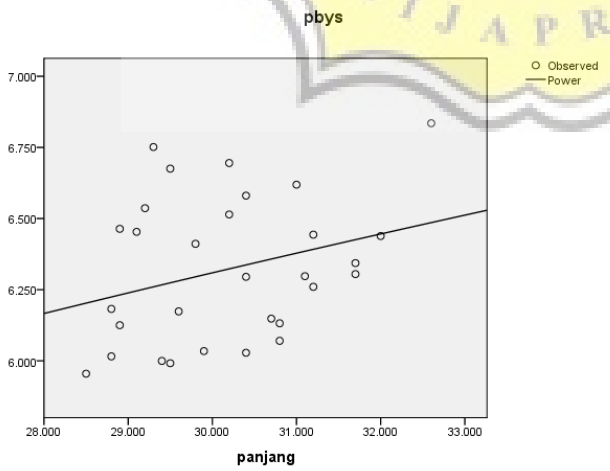
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.004	1	.004	2.681	.113
Residual	.042	28	.001		
Total	.046	29			

The independent variable is panjang.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(panjang)	.332	.203	.296	1.637	.113
(Constant)	2.040	1.409		1.448	.159

The dependent variable is ln(pbys).



Cuys

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.376	.142	.111	.058

The independent variable is panjang.

ANOVA

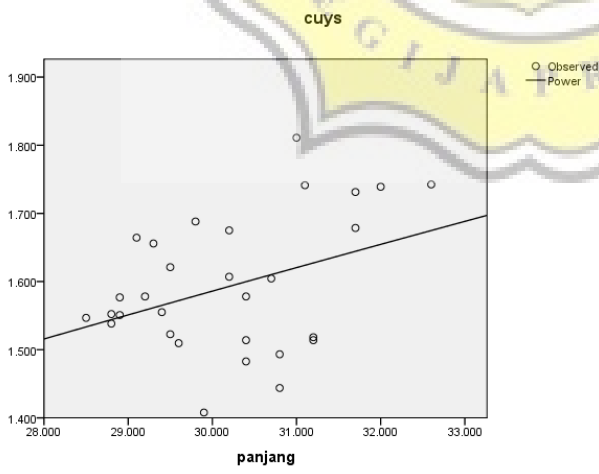
	Sum of Squares	df	Mean Square	F	Sig.
Regression	.016	1	.016	4.621	.040
Residual	.095	28	.003		
Total	.111	29			

The independent variable is panjang.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(panjang)	.656	.305	.376	2.150	.040
(Constant)	.170	.177		.962	.344

The dependent variable is ln(cuys).



Curve Fit (berat keseluruhan)

Tpb

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.988	.976	.976	.048

The independent variable is berat.

ANOVA

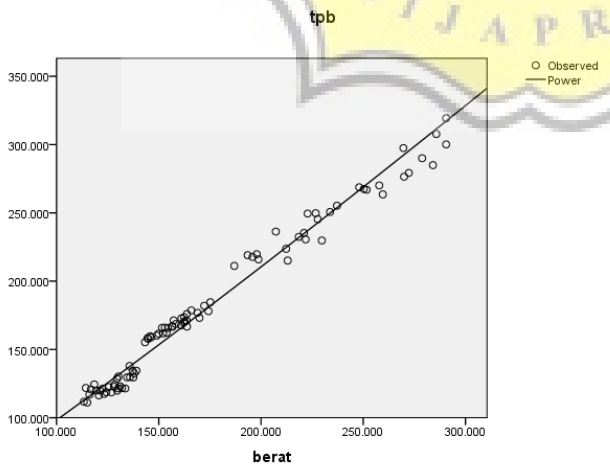
	Sum of Squares	df	Mean Square	F	Sig.
Regression	8.120	1	8.120	3593.365	.000
Residual	.199	88	.002		
Total	8.319	89			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	1.099	.018	.988	59.945	.000
(Constant)	.624	.059		10.635	.000

The dependent variable is ln(tpb).



Tcu

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.920	.846	.844	.206

The independent variable is berat.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	20.619	1	20.619	484.264	.000
Residual	3.747	88	.043		
Total	24.365	89			

The independent variable is berat.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(berat)	1.751	.080	.920	22.006	.000
(Constant)	0.0003	0.0001		2.450	.016

The dependent variable is ln(tcu).