

Lampiran 1

**PERNYATAAN KEASLIAN TULISAN**

Saya yang bertanda tangan di bawah ini:

Nama : Deddy Samalo

NIM : 115070100111023

Program Studi : Program Studi Pendidikan Dokter

Fakultas Kedokteran Universitas Brawijaya

Menyatakan dengan sebenarnya bahwa Tugas Akhir yang saya tulis ini benar-benar hasil karya saya sendiri, bukan merupakan pengambilan tulisan atau pikiran orang lain yang saya aku sebagai tulisan atau pikiran saya sendiri. Apabila di kemudian hari terbukti atau dapat dibuktikan Tugas Akhir ini hasil jiplakan, maka saya bersedia menerima sanksi atau perbuatan tersebut.

Malang, 27 November 2014

Yang membuat pernyataan,

Deddy Samalo

NIM. 115070100111023

## Lampiran 2. Hasil Analisis Data Statistik

### Uji Normalitas

#### One-Sample Kolmogorov-Smirnov Test

		J Koloni
N		32
Normal Parameters <sup>a,b</sup>	Mean	234.78
	Std. Deviation	325.182
Most Extreme Differences	Absolute	.255
	Positive	.255
	Negative	-.235
Kolmogorov-Smirnov Z		.512
Asymp. Sig. (2-tailed)		.956

a. Test distribution is Normal.

b. Calculated from data.

#### Test of Homogeneity of Variances

J\_Koloni

Levene Statistic	df 1	df 2	Sig.
1.324	7	24	.096

### Oneway

#### Descriptives

J\_Koloni

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0%	4	1011.00	.000	.000	1011.00	1011.00	1011	1011
10%	4	397.25	12.285	6.142	377.70	416.80	380	407
12%	4	216.00	11.136	5.568	198.28	233.72	205	231
14%	4	164.00	9.592	4.796	148.74	179.26	151	173
16%	4	81.25	7.411	3.705	69.46	93.04	72	89
18%	4	8.75	3.862	1.931	2.60	14.90	5	14
20%	4	.00	.000	.000	.00	.00	0	0
KB	4	.00	.000	.000	.00	.00	0	0
Total	32	234.78	325.182	57.485	117.54	352.02	0	1011

#### ANOVA

J\_Koloni

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3276723	7	468103.317	8574.302	.000
Within Groups	1310.250	24	54.594		
Total	3278033	31			

## Post-Hoc Tests

## Multiple Comparisons

Dependent Variable: J\_Koloni  
Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0%	10%	613.750*	5.225	.000	596.45	631.05
	12%	795.000*	5.225	.000	777.70	812.30
	14%	847.000*	5.225	.000	829.70	864.30
	16%	929.750*	5.225	.000	912.45	947.05
	18%	1002.250*	5.225	.000	984.95	1019.55
	20%	1011.000*	5.225	.000	993.70	1028.30
	KB	1011.000*	5.225	.000	993.70	1028.30
10%	0%	-613.750*	5.225	.000	-631.05	-596.45
	12%	181.250*	5.225	.000	163.95	198.55
	14%	233.250*	5.225	.000	215.95	250.55
	16%	316.000*	5.225	.000	298.70	333.30
	18%	388.500*	5.225	.000	371.20	405.80
	20%	397.250*	5.225	.000	379.95	414.55
	KB	397.250*	5.225	.000	379.95	414.55
12%	0%	-795.000*	5.225	.000	-812.30	-777.70
	10%	-181.250*	5.225	.000	-198.55	-163.95
	14%	52.000*	5.225	.000	34.70	69.30
	16%	134.750*	5.225	.000	117.45	152.05
	18%	207.250*	5.225	.000	189.95	224.55
	20%	216.000*	5.225	.000	198.70	233.30
	KB	216.000*	5.225	.000	198.70	233.30
14%	0%	-847.000*	5.225	.000	-864.30	-829.70
	10%	-233.250*	5.225	.000	-250.55	-215.95
	12%	-52.000*	5.225	.000	-69.30	-34.70
	16%	82.750*	5.225	.000	65.45	100.05
	18%	155.250*	5.225	.000	137.95	172.55
	20%	164.000*	5.225	.000	146.70	181.30
	KB	164.000*	5.225	.000	146.70	181.30
16%	0%	-929.750*	5.225	.000	-947.05	-912.45
	10%	-316.000*	5.225	.000	-333.30	-298.70
	12%	-134.750*	5.225	.000	-152.05	-117.45
	14%	-82.750*	5.225	.000	-100.05	-65.45
	18%	72.500*	5.225	.000	55.20	89.80
	20%	81.250*	5.225	.000	63.95	98.55
	KB	81.250*	5.225	.000	63.95	98.55
18%	0%	-1002.250*	5.225	.000	-1019.55	-984.95
	10%	-388.500*	5.225	.000	-405.80	-371.20
	12%	-207.250*	5.225	.000	-224.55	-189.95
	14%	-155.250*	5.225	.000	-172.55	-137.95
	16%	-72.500*	5.225	.000	-89.80	-55.20
	20%	8.750	5.225	.702	-8.55	26.05
	KB	8.750	5.225	.702	-8.55	26.05
20%	0%	-1011.000*	5.225	.000	-1028.30	-993.70
	10%	-397.250*	5.225	.000	-414.55	-379.95
	12%	-216.000*	5.225	.000	-233.30	-198.70
	14%	-164.000*	5.225	.000	-181.30	-146.70
	16%	-81.250*	5.225	.000	-98.55	-63.95
	18%	-8.750	5.225	.702	-26.05	8.55
	KB	.000	5.225	1.000	-17.30	17.30
KB	0%	-1011.000*	5.225	.000	-1028.30	-993.70
	10%	-397.250*	5.225	.000	-414.55	-379.95
	12%	-216.000*	5.225	.000	-233.30	-198.70
	14%	-164.000*	5.225	.000	-181.30	-146.70
	16%	-81.250*	5.225	.000	-98.55	-63.95
	18%	-8.750	5.225	.702	-26.05	8.55
	20%	.000	5.225	1.000	-17.30	17.30

\*. The mean difference is significant at the .05 level.

## Correlations

## Correlations

		Konsentrasi	J_Koloni
Konsentrasi	Pearson Correlation	1	-.981**
	Sig. (2-tailed)	.	.000
	N	28	28
J_Koloni	Pearson Correlation	-.981**	1
	Sig. (2-tailed)	.000	.
	N	28	28

\*\* . Correlation is significant at the 0.01 level (2-tailed).

## Regression

## Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.981 <sup>a</sup>	.962	.961	66.518

a. Predictors: (Constant), Konsentrasi

ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2911005	1	2911004.557	657.902	.000 <sup>a</sup>
	Residual	115041.6	26	4424.675		
	Total	3026046	27			

a. Predictors: (Constant), Konsentrasi

b. Dependent Variable: J\_Koloni

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	944.834	29.218		32.338	.000
	Konsentrasi	-52.618	2.051	-.981	-25.650	.000

a. Dependent Variable: J\_Koloni

Homogeneous Subsets

J\_Koloni

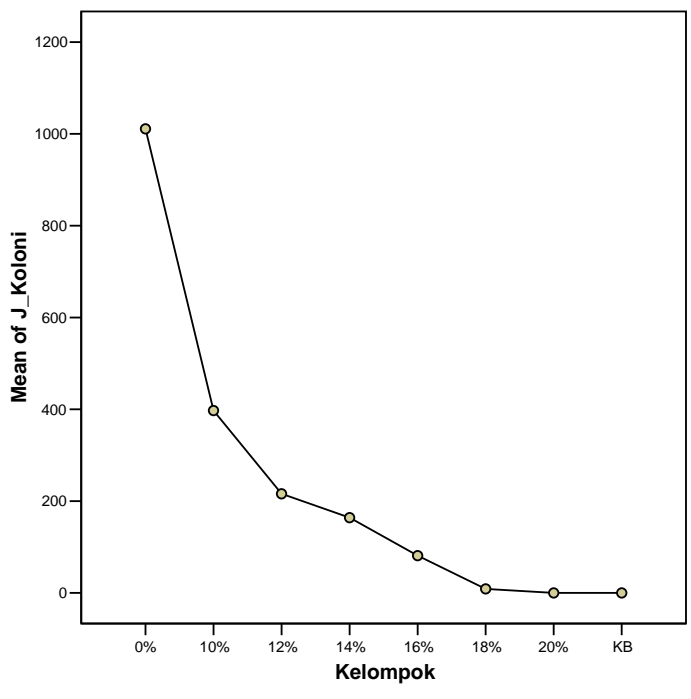
Tukey HSD<sup>a</sup>

Kelompok	N	Subset f for alpha = .05					
		1	2	3	4	5	6
20%	4	.00					
KB	4	.00					
18%	4	8.75					
16%	4		81.25				
14%	4			164.00			
12%	4				216.00		
10%	4					397.25	
0%	4						1011.00
Sig.		.702	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Means Plots



Lampiran 3. Foto Alat Yang Digunakan



Gambar Colony Counter



Gambar Spektrofotometer