

**LAMPIRAN**

**UJI NORMALITAS DATA KOLMOGOROV SMIRNOV**

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
koloni	.276	28	.000	.821	28	.000

a. Lilliefors Significance Correction

**One-Sample Kolmogorov-Smirnov Test**

		koloni
N		28
Normal Parameters <sup>a</sup>	Mean	259.04
	Std. Deviation	258.653
Most Extreme Differences	Absolute	.276
	Positive	.276
	Negative	-.158
Kolmogorov-Smirnov Z		1.459
Asymp. Sig. (2-tailed)		.028

p > 0.05 sebaran data normal

**UJI HOMOGENITAS VARIAN DATA JUMLAH KOLONI**

**Test of Homogeneity of Variances**

koloni

Levene Statistic	df1	df2	Sig.
4.407	6	21	.005

**Data Transform Squareroot**

KONSENTRASI Ekstrak X	REPLIKASI			
	I	II	III	IV
0%	26.42	27.37	26	26.89
16%	23.47	24.19	23.75	23.9
18%	14.42	14.63	14.04	14.8
20%	13.15	13.96	12.57	13.45
22%	11.09	11.75	10.77	11.27
24%	3.87	5.2	4.47	5
26%	0	0	0	0

**UJI NORMALITAS DATA KOLMOGOROV SMIRNOV**

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
transform	.155	28	.085	.915	28	.026

a. Lilliefors Significance Correction

**One-Sample Kolmogorov-Smirnov Test**

		transform
N		28
Normal Parameters <sup>a</sup>	Mean	13.4438
	Std. Deviation	9.01115
Most Extreme Differences	Absolute	.155
	Positive	.155
	Negative	-.153
Kolmogorov-Smirnov Z		.818
Asymp. Sig. (2-tailed)		.516

a. Test distribution is Normal.

UJI HOMOGENITAS VARIAN DATA TRANSFORMASI JUMLAH KOLONI

**Test of Homogeneity of Variances**

transform

Levene Statistic	df1	df2	Sig.
2.266	6	21	.076

**Descriptives**

transform

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0 %	4	26.6691	.59059	.29529	25.7293	27.6088	26.00	27.37
16 %	4	23.8261	.29739	.14869	23.3529	24.2993	23.47	24.19
18 %	4	14.4713	.32870	.16435	13.9483	14.9943	14.04	14.80
20 %	4	13.2852	.58274	.29137	12.3579	14.2124	12.57	13.96
22 %	4	11.2194	.40804	.20402	10.5701	11.8687	10.77	11.75
24 %	4	4.6353	.59310	.29655	3.6916	5.5791	3.87	5.20
26 %	4	.0000	.00000	.00000	.0000	.0000	.00	.00
Total	28	13.4438	9.01115	1.70295	9.9496	16.9379	.00	27.37

UJI BEDA ONE WAY ANOVA

**ANOVA**

trans_koloni	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2188.215	6	364.702	1.819E3	.000
Within Groups	4.209	21	.200		
Total	2192.424	27			

UJI MULTI KOMPARASI POS HOC TUKEY

**Multiple Comparisons**

transform  
Tukey HSD

(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 %	16 %	2.84294*	.31658	.000	1.8138	3.8721
	18 %	12.19774*	.31658	.000	11.1686	13.2269
	20 %	13.38390*	.31658	.000	12.3548	14.4130
	22 %	15.44964*	.31658	.000	14.4205	16.4788
	24%	22.03374*	.31658	.000	21.0046	23.0629
	26 %	26.66905*	.31658	.000	25.6399	27.6982
16 %	0 %	-2.84294*	.31658	.000	-3.8721	-1.8138
	18 %	9.35480*	.31658	.000	8.3257	10.3839
	20 %	10.54096*	.31658	.000	9.5118	11.5701
	22 %	12.60670*	.31658	.000	11.5776	13.6358
	24%	19.19080*	.31658	.000	18.1617	20.2199
	26 %	23.82611*	.31658	.000	22.7970	24.8552
18 %	0 %	-12.19774*	.31658	.000	-13.2269	-11.1686
	16 %	-9.35480*	.31658	.000	-10.3839	-8.3257
	20 %	1.18616*	.31658	.017	.1570	2.2153
	22 %	3.25191*	.31658	.000	2.2228	4.2810
	24%	9.83600*	.31658	.000	8.8069	10.8651
	26 %	14.47132*	.31658	.000	13.4422	15.5004
20 %	0 %	-13.38390*	.31658	.000	-14.4130	-12.3548
	16 %	-10.54096*	.31658	.000	-11.5701	-9.5118
	18 %	-1.18616*	.31658	.017	-2.2153	-.1570
	22 %	2.06575*	.31658	.000	1.0366	3.0949
	24%	8.64984*	.31658	.000	7.6207	9.6790

	26 %	13.28515*	.31658	.000	12.2560	14.3143
22 %	0 %	-15.44964*	.31658	.000	-16.4788	-14.4205
	16 %	-12.60670*	.31658	.000	-13.6358	-11.5776
	18 %	-3.25191*	.31658	.000	-4.2810	-2.2228
	20 %	-2.06575*	.31658	.000	-3.0949	-1.0366
	24%	6.58409*	.31658	.000	5.5550	7.6132
	26 %	11.21941*	.31658	.000	10.1903	12.2485
24%	0 %	-22.03374*	.31658	.000	-23.0629	-21.0046
	16 %	-19.19080*	.31658	.000	-20.2199	-18.1617
	18 %	-9.83600*	.31658	.000	-10.8651	-8.8069
	20 %	-8.64984*	.31658	.000	-9.6790	-7.6207
	22 %	-6.58409*	.31658	.000	-7.6132	-5.5550
	26 %	4.63532*	.31658	.000	3.6062	5.6645
26 %	0 %	-26.66905*	.31658	.000	-27.6982	-25.6399
	16 %	-23.82611*	.31658	.000	-24.8552	-22.7970
	18 %	-14.47132*	.31658	.000	-15.5004	-13.4422
	20 %	-13.28515*	.31658	.000	-14.3143	-12.2560
	22 %	-11.21941*	.31658	.000	-12.2485	-10.1903
	24%	-4.63532*	.31658	.000	-5.6645	-3.6062

\*. The mean difference is significant at the 0.05 level.

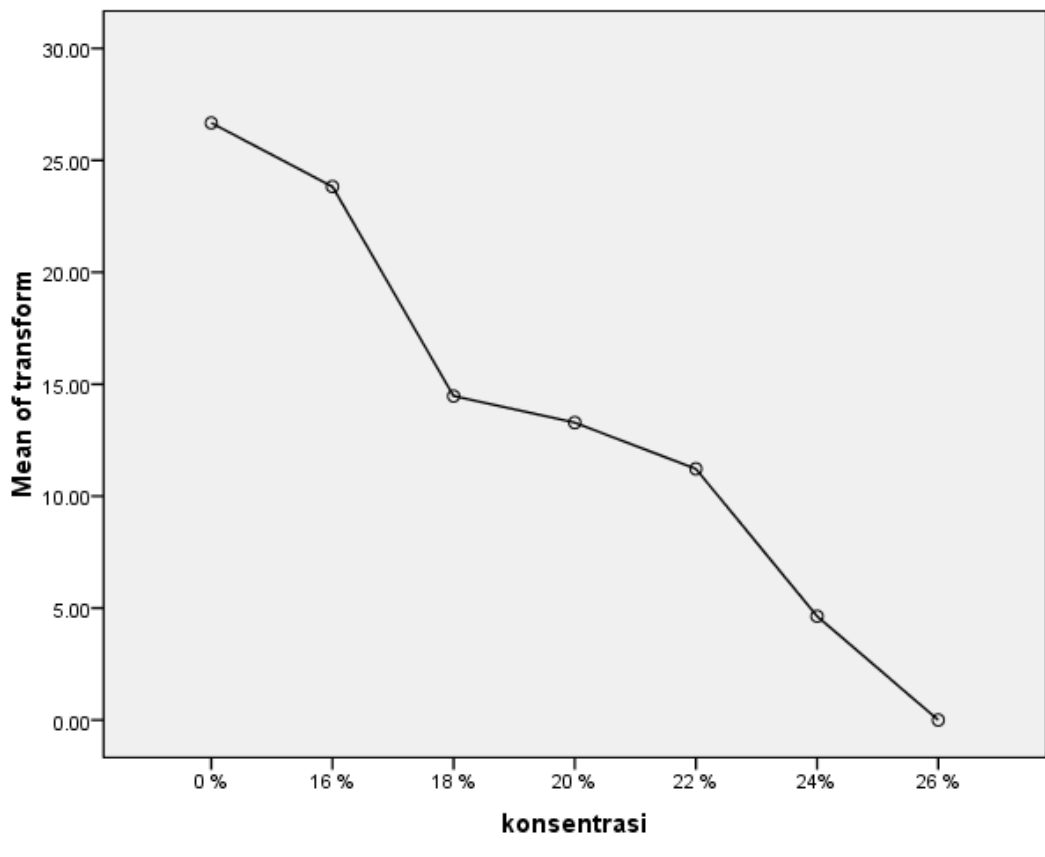
**transform**

Tukey HSD

konsentrasi	N	Subset for alpha = 0.05						
		1	2	3	4	5	6	7
26 %	4	.0000						
24%	4		4.6353					
22 %	4			11.2194				
20 %	4				13.2852			

18 %	4					14.4713		
16 %	4						23.8261	
10 %	4							26.6691
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.



UJI KORELASI PEARSON

Descriptive Statistics

	Mean	Std. Deviation	N
transform	13.4438	9.01115	28
konsentrasi	4.00	2.037	28

**Correlations**

		transform	konsentrasi
transform	Pearson Correlation	1	-.982**
	Sig. (2-tailed)		.000
	N	28	28
konsentrasi	Pearson Correlation	-.982**	1
	Sig. (2-tailed)	.000	
	N	28	28

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

Note: *r* = correlation coefficient, shows the strength of correlation. Weak correlation ( $r < 0.500$ ), moderate correlation ( $r = 0.500-0.599$ ), strong correlation ( $r = 0.600-0.799$ ), very strong correlation ( $r > 0.799$ ).

**UJI REGRESI LINIER**

**Variables Entered/Removed<sup>b</sup>**

Model	Variables Entered	Variables Removed	Method
1	konsentrasi <sup>a</sup>		. Enter

a. All requested variables entered.

b. Dependent Variable: transform

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.982 <sup>a</sup>	.964	.963	1.73921

a. Predictors: (Constant), konsentrasi

**Coefficients<sup>a</sup>**

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
	B	Std. Error	Beta			Lower Bound	Upper Bound
	(Constant)	30.821	.735				41.936
konstrasi	-4.344	.164	-.982	-26.435	.000	-4.682	-4.007

a. Dependent Variable: transform

**ANOVA<sup>b</sup>**

Model	Sum of Squares	df	Mean Square	F	Sig.
Regression	2113.779	1	2113.779	698.807	.000 <sup>a</sup>
Residual	78.646	26	3.025		
Total	2192.424	27			

a. Predictors: (Constant), konstrasi

b. Dependent Variable: transform

Curve fit

