Case Summaries(a)

				Jumlah bakteri Staphylococcus aureus (koloni)	Log Jumlah bakteri Staphylococcus aureus (koloni)
Dosis ekstrak biji gambas	0 % (KK)	1		10772.00	4.03
		2		10756.00	4.03
		3		10734.00	4.03
		4		10785.00	4.03
		Total	N	4	4
			Mean	10761.7500	4.0319
			Std. Deviation	21.97536	.00089
			Minimum	10734.00	4.03
			Maximum	10785.00	4.03
	25 %	1		4900.00	3.69
		2		4900.00	3.69
		3		5379.00	3.73
		4		4705.00	3.67
		Total	N	4	4
			Mean	4971.0000	3.6959
			Std. Deviation	287.11322	.02464
			Minimum	4705.00	3.67
			Maximum	5379.00	3.73
	30 %	1		3543.00	3.55
		2		763.00	2.88
		3		1208.00	3.08
		4		1322.00	3.12
		Total	N	4	4
			Mean	1709.0000	3.1588
			Std. Deviation	1246.22657	.28058
			Minimum	763.00	2.88
			Maximum	3543.00	3.55
	35 %	1		546.00	2.74
		2		979.00	2.99
		3		549.00	2.74
		4		337.00	2.53
		Total	N	4	4
			Mean	602.7500	2.7488
			Std. Deviation	269.75097	.18947
			Minimum	337.00	2.53
			Maximum	979.00	2.99
	40 %	1		105.00	2.02
		2		133.00	2.12
		3		184.00	2.26
		4		207.00	2.32
		Total	N	4	4
			Mean	157.2500	2.1815
			Std. Deviation	46.57879	.13422

		Minimum	105.00	2.02
		Maximum	207.00	2.32
45 %	1		23.00	1.36
	2		25.00	1.40
	3		40.00	1.60
	4		53.00	1.72
	Total	N	4	4
		Mean	35.2500	1.5215
		Std. Deviation	14.05643	.17166
		Minimum	23.00	1.36
		Maximum	53.00	1.72
50 %	1		.00	.00
	2		.00	.00
	3		.00	.00
	4		.00	.00
	Total	N	4	4
		Mean	.0000	.0000
		Std. Deviation	.00000	.00000
		Minimum	.00	.00
		Maximum	.00	.00
55 %	1		.00	.00
	2		.00	.00
	3		.00	.00
	4		.00	.00
	Total	N	4	4
		Mean	.0000	.0000
		Std. Deviation	.00000	.00000
		Minimum	.00	.00
		Maximum	.00	.00
Total	N		32	32
	Mean		2279.6250	2.1673
	Std. Deviation		3655.23733	1.48403
	Minimum		.00	.00
	Maximum		10785.00	4.03

a Limited to first 100 cases.

Lampiran Hasil Analisis

Uji Normalitas data

a. Data asli

One-Sample Kolmogorov-Smirnov Test

		Jumlah bakteri Staphylococcus aureus (koloni)
N		32
Normal Parameters[a,b]	Mean	2279.6250
	Std. Deviation	3655.23733
Most Extreme Differences	Absolute	.322
	Positive	.322
	Negative	-.266
Kolmogorov-Smirnov Z		1.822
Asymp. Sig. (2-tailed)		.003

a. Test distribution is Normal.

b. Calculated from data.

Oleh karena data tidak berdistribusi normal dengan nilai signifikansi 0.000 ($p<0.05$), maka data perlu dilakukan transformasi. Alat transformasi yang digunakan pada data adalah logaritma. Kemudian dilakukan uji normalitas kembali untuk mengecek distribusi data yang telah di transformasi tersebut.

b. Data setelah ditransformasi logaritma

One-Sample Kolmogorov-Smirnov Test

		Log Jumlah bakteri Staphylococcus aureus (koloni)
N		32
Normal Parameters[a,b]	Mean	2.1673
	Std. Deviation	1.48403
Most Extreme Differences	Absolute	.178
	Positive	.178
	Negative	-.118
Kolmogorov-Smirnov Z		1.006
Asymp. Sig. (2-tailed)		.263

a. Test distribution is Normal.

b. Calculated from data.

Jika nilai signifikansi >0.05= data berdisrtibusi normal

Uji Homogenitas ragam data

Test of Homogeneity of Variance

		Levene Statistic	df 1	df 2	Sig.
Log Jumlah bakteri Staphylococcus aureus (koloni)	Based on Mean	2.722	5	18	.053
	Based on Median	1.815	5	18	.161
	Based on Median and with adjusted df	1.815	5	6.254	.240
	Based on trimmed mean	2.565	5	18	.064

Jika nilai signifikansi >0.05= data mempunyai varians yang homogen

Output Hasil Analisis ANOVA

Oneway

Descriptives

Log Jumlah bakteri Staphylococcus aureus (koloni)

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0 % (KK)	4	4.0319	.00089	.00044	4.0305	4.0333	4.03	4.03
25 %	4	3.6959	.02464	.01232	3.6567	3.7351	3.67	3.73
30 %	4	3.1588	.28058	.14029	2.7123	3.6053	2.88	3.55
35 %	4	2.7488	.18947	.09473	2.4473	3.0503	2.53	2.99
40 %	4	2.1815	.13422	.06711	1.9679	2.3950	2.02	2.32
45 %	4	1.5215	.17166	.08583	1.2484	1.7947	1.36	1.72
50 %	4	.0000	.00000	.00000	.0000	.0000	.00	.00
55 %	4	.0000	.00000	.00000	.0000	.0000	.00	.00
Total	32	2.1673	1.48403	.26234	1.6322	2.7023	.00	4.03

ANOVA

Log Jumlah bakteri Staphylococcus aureus (koloni)

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	67.785	7	9.684	476.105	.000
Within Groups	.488	24	.020		
Total	68.273	31			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Log Jumlah bakteri Staphylococcus aureus (koloni)

Tukey HSD

(I) Dosis ekstrak biji gambas	(J) Dosis ekstrak biji gambas	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 % (KK)	25 %	.33597*	.10084	.048	.0020	.6700
	30 %	.87308*	.10084	.000	.5391	1.2071
	35 %	1.28309*	.10084	.000	.9491	1.6171
	40 %	1.85042*	.10084	.000	1.5164	2.1844
	45 %	2.51038*	.10084	.000	2.1764	2.8444
	50 %	4.03188*	.10084	.000	3.6979	4.3659
	55 %	4.03188*	.10084	.000	3.6979	4.3659
25 %	0 % (KK)	-.33597*	.10084	.048	-.6700	-.0020
	30 %	.53711*	.10084	.000	.2031	.8711
	35 %	.94712*	.10084	.000	.6131	1.2811
	40 %	1.51446*	.10084	.000	1.1805	1.8484
	45 %	2.17441*	.10084	.000	1.8404	2.5084
	50 %	3.69591*	.10084	.000	3.3619	4.0299
	55 %	3.69591*	.10084	.000	3.3619	4.0299
30 %	0 % (KK)	-.87308*	.10084	.000	-1.2071	-.5391
	25 %	-.53711*	.10084	.000	-.8711	-.2031
	35 %	.41000*	.10084	.009	.0760	.7440
	40 %	.97734*	.10084	.000	.6434	1.3113
	45 %	1.63730*	.10084	.000	1.3033	1.9713
	50 %	3.15880*	.10084	.000	2.8248	3.4928
	55 %	3.15880*	.10084	.000	2.8248	3.4928
35 %	0 % (KK)	-1.28309*	.10084	.000	-1.6171	-.9491
	25 %	-.94712*	.10084	.000	-1.2811	-.6131
	30 %	-.41000*	.10084	.009	-.7440	-.0760
	40 %	.56734*	.10084	.000	.2334	.9013
	45 %	1.22729*	.10084	.000	.8933	1.5613
	50 %	2.74879*	.10084	.000	2.4148	3.0828
	55 %	2.74879*	.10084	.000	2.4148	3.0828
40 %	0 % (KK)	-1.85042*	.10084	.000	-2.1844	-1.5164
	25 %	-1.51446*	.10084	.000	-1.8484	-1.1805
	30 %	-.97734*	.10084	.000	-1.3113	-.6434
	35 %	-.56734*	.10084	.000	-.9013	-.2334
	45 %	.65996*	.10084	.000	.3260	.9939
	50 %	2.18146*	.10084	.000	1.8475	2.5154
	55 %	2.18146*	.10084	.000	1.8475	2.5154
45 %	0 % (KK)	-2.51038*	.10084	.000	-2.8444	-2.1764
	25 %	-2.17441*	.10084	.000	-2.5084	-1.8404
	30 %	-1.63730*	.10084	.000	-1.9713	-1.3033
	35 %	-1.22729*	.10084	.000	-1.5613	-.8933
	40 %	-.65996*	.10084	.000	-.9939	-.3260
	50 %	1.52150*	.10084	.000	1.1875	1.8555
	55 %	1.52150*	.10084	.000	1.1875	1.8555
50 %	0 % (KK)	-4.03188*	.10084	.000	-4.3659	-3.6979
	25 %	-3.69591*	.10084	.000	-4.0299	-3.3619
	30 %	-3.15880*	.10084	.000	-3.4928	-2.8248
	35 %	-2.74879*	.10084	.000	-3.0828	-2.4148
	40 %	-2.18146*	.10084	.000	-2.5154	-1.8475
	45 %	-1.52150*	.10084	.000	-1.8555	-1.1875
	55 %	.00000	.10084	1.000	-.3340	.3340
55 %	0 % (KK)	-4.03188*	.10084	.000	-4.3659	-3.6979
	25 %	-3.69591*	.10084	.000	-4.0299	-3.3619
	30 %	-3.15880*	.10084	.000	-3.4928	-2.8248
	35 %	-2.74879*	.10084	.000	-3.0828	-2.4148
	40 %	-2.18146*	.10084	.000	-2.5154	-1.8475
	45 %	-1.52150*	.10084	.000	-1.8555	-1.1875
	50 %	.00000	.10084	1.000	-.3340	.3340

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

Homogeneous Subsets

Log Jumlah bakteri Staphylococcus aureus (koloni)

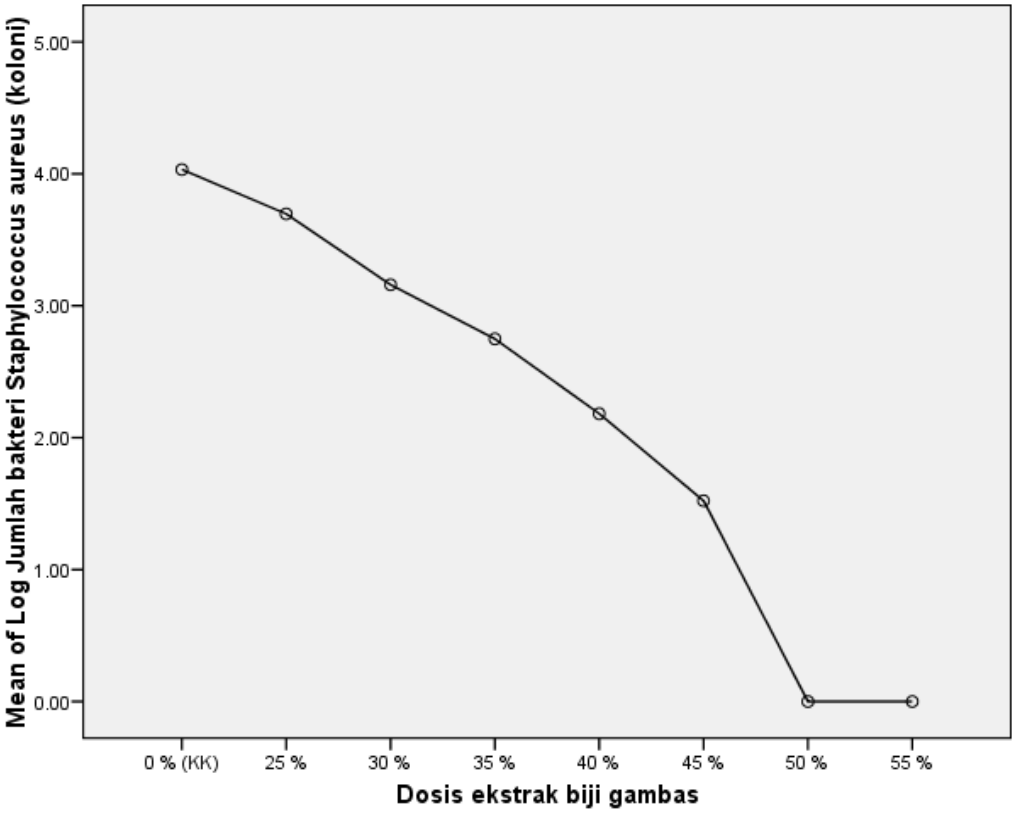
Tukey HSD[a]

Dosis ekstrak biji gambas	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
50 %	4	.0000						
55 %	4	.0000						
45 %	4		1.5215					
40 %	4			2.1815				
35 %	4				2.7488			
30 %	4					3.1588		
25 %	4						3.6959	
0 % (KK)	4							4.0319
Sig.		1.000	1.000	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



HASIL UJI REGRESI LINIER

Regression

Descriptive Statistics

	Mean	Std. Deviation	N
Log Jumlah bakteri Staphylococcus aureus (koloni)	2.1673	1.48403	32
Dosis ekstrak biji gambas (%)	35.0000	16.46110	32

Correlations

		Log Jumlah bakteri Staphylococcus aureus (koloni)	Dosis ekstrak biji gambas (%)
Pearson Correlation	Log Jumlah bakteri Staphylococcus aureus (koloni)	1.000	-.886
	Dosis ekstrak biji gambas (%)	-.886	1.000
Sig. (1-tailed)	Log Jumlah bakteri Staphylococcus aureus (koloni)	.	.000
	Dosis ekstrak biji gambas (%)	.000	.
N	Log Jumlah bakteri Staphylococcus aureus (koloni)	32	32
	Dosis ekstrak biji gambas (%)	32	32

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	Dosis ekstrak biji gambas (%)[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: Log Jumlah bakteri Staphylococcus aureus (koloni)

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.886[a]	.785	.778	.69940

a. Predictors: (Constant), Dosis ekstrak biji gambas (%)

b. Dependent Variable: Log Jumlah bakteri Staphylococcus aureus (koloni)

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	53.598	1	53.598	109.572	.000[a]
	Residual	14.675	30	.489		
	Total	68.273	31			

a. Predictors: (Constant), Dosis ekstrak biji gambas (%)

b. Dependent Variable: Log Jumlah bakteri Staphylococcus aureus (koloni)

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.963	.294		16.863	.000
	Dosis ekstrak biji gambas (%)	-.080	.008	-.886	-10.468	.000

a. Dependent Variable: Log Jumlah bakteri Staphylococcus aureus (koloni)