LAMPIRAN

Lampiran 1

ANALISIS DATA

Descriptives

	Kelompok			Statistic	Std. Error
Neutrofil	C1	Mean		22.540	4.5996
		95% Confidence Interval for Mean	Lower Bound	9.769	
			Upper Bound	35.311	
		5% Trimmed Mean		22.711	
		Median		23.300	
		Variance		105.783	
		Std. Deviation		10.2851	
		Minimum		7.0	
		Maximum		35.0	
		Range		28.0	
		Interquartile Range		17.4	
		Skewness		-.664	.913
		Kurtosis		1.258	2.000
	C2	Mean		23.620	7.1542
		95% Confidence Interval for Mean	Lower Bound	3.757	
			Upper Bound	43.483	
		5% Trimmed Mean		23.739	
		Median		28.000	
		Variance		255.912	
		Std. Deviation		15.9972	
		Minimum		5.2	
		Maximum		39.9	
		Range		34.7	
		Interquartile Range		31.4	
		Skewness		-.325	.913
		Kurtosis		-2.889	2.000
	E1	Mean		39.160	16.3390
		95% Confidence Interval for Mean	Lower Bound	-6.204	
			Upper Bound	84.524	
		5% Trimmed Mean		37.467	
		Median		36.000	
		Variance		1.335E3	
		Std. Deviation		36.5350	

	Minimum		8.8	
	Maximum		100.0	
	Range		91.2	
	Interquartile Range		58.5	
	Skewness		1.525	.913
	Kurtosis		2.558	2.000
E2	Mean		38.340	15.9555
	95% Confidence Interval for Mean	Lower Bound	-5.960	
		Upper Bound	82.640	
	5% Trimmed Mean		36.372	
	Median		27.100	
	Variance		1.273E3	
	Std. Deviation		35.6776	
	Minimum		12.1	
	Maximum		100.0	
	Range		87.9	
	Interquartile Range		53.5	
	Skewness		1.879	.913
	Kurtosis		3.699	2.000
E3	Mean		37.140	16.5021
	95% Confidence Interval for Mean	Lower Bound	-8.677	
		Upper Bound	82.957	
	5% Trimmed Mean		35.161	
	Median		24.000	
	Variance		1.362E3	
	Std. Deviation		36.8999	
	Minimum		9.9	
	Maximum		100.0	
	Range		90.1	
	Interquartile Range		57.8	
	Skewness		1.758	.913
	Kurtosis		3.144	2.000
E4	Mean		71.020	17.7596
	95% Confidence Interval for Mean	Lower Bound	21.712	
		Upper Bound	120.328	
	5% Trimmed Mean		71.944	
	Median		100.000	
	Variance		1.577E3	

	Std. Deviation	39.7116	
	Minimum	25.4	
	Maximum	100.0	
	Range	74.6	
	Interquartile Range	72.4	
	Skewness	-.615	.913
	Kurtosis	-3.294	2.000

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Kelompok	N	Percent	N	Percent	N	Percent
Neutrofil	C1	5	100.0%	0	.0%	5	100.0%
	C2	5	100.0%	0	.0%	5	100.0%
	E1	5	100.0%	0	.0%	5	100.0%
	E2	5	100.0%	0	.0%	5	100.0%
	E3	5	100.0%	0	.0%	5	100.0%
	E4	5	100.0%	0	.0%	5	100.0%

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelompok	Statistic	df	Sig.	Statistic	df	Sig.
Neutrofil	C1	.214	5	.200*	.969	5	.870
	C2	.229	5	.200*	.872	5	.273
	E1	.308	5	.136	.837	5	.156
	E2	.328	5	.083	.780	5	.055
	E3	.283	5	.200*	.801	5	.083
	E4	.367	5	.026	.702	5	.010

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Kruskal-Wallis Test

Ranks

	Kelompok	N	Mean Rank
Neutrofil	C1	5	11.10
	C2	5	13.00
	E1	5	16.10
	E2	5	15.20
	E3	5	15.10
	E4	5	22.50
	Total	30	

Test Statistics[a]

		Neutrofil
Most Extreme Differences	Absolute	.400
	Positive	.400
	Negative	-.200
Kolmogorov-Smirnov Z		.632
Asymp. Sig. (2-tailed)		.819

a. Grouping Variable: Kelompok

Mann-Whitney Test

C1-C2

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C1	5	5.00	25.00
	C2	5	6.00	30.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	10.000
Wilcoxon W	25.000
Z	-.522
Asymp. Sig. (2-tailed)	.602
Exact Sig. [2*(1-tailed Sig.)]	.690[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C1-E1

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C1	5	4.60	23.00
	E1	5	6.40	32.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	8.000
Wilcoxon W	23.000
Z	-.940
Asymp. Sig. (2-tailed)	.347
Exact Sig. [2*(1-tailed Sig.)]	.421[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C1-E2

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C1	5	4.90	24.50
	E2	5	6.10	30.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	9.500
Wilcoxon W	24.500
Z	-.629
Asymp. Sig. (2-tailed)	.530
Exact Sig. [2*(1-tailed Sig.)]	.548[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C1-E3

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C1	5	5.00	25.00
	E3	5	6.00	30.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	10.000
Wilcoxon W	25.000
Z	-.522
Asymp. Sig. (2-tailed)	.602
Exact Sig. [2*(1-tailed Sig.)]	.690[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C1-E4

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C1	5	3.60	18.00
	E4	5	7.40	37.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	3.000
Wilcoxon W	18.000
Z	-2.009
Asymp. Sig. (2-tailed)	.045
Exact Sig. [2*(1-tailed Sig.)]	.056[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C2-E1

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C2	5	4.80	24.00
	E1	5	6.20	31.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	9.000
Wilcoxon W	24.000
Z	-.731
Asymp. Sig. (2-tailed)	.465
Exact Sig. [2*(1-tailed Sig.)]	.548[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C2-E2

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C2	5	5.20	26.00
	E2	5	5.80	29.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	11.000
Wilcoxon W	26.000
Z	-.313
Asymp. Sig. (2-tailed)	.754
Exact Sig. [2*(1-tailed Sig.)]	.841[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C2-E3

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C2	5	5.00	25.00
	E3	5	6.00	30.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	10.000
Wilcoxon W	25.000
Z	-.522
Asymp. Sig. (2-tailed)	.602
Exact Sig. [2*(1-tailed Sig.)]	.690[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

C2-E4

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	C2	5	4.00	20.00
	E4	5	7.00	35.00
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	5.000
Wilcoxon W	20.000
Z	-1.586
Asymp. Sig. (2-tailed)	.113
Exact Sig. [2*(1-tailed Sig.)]	.151[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

Test Statistics[b]

	Neutrofil
Mann-Whitney U	5.000
Wilcoxon W	20.000
Z	-1.586
Asymp. Sig. (2-tailed)	.113
Exact Sig. [2*(1-tailed Sig.)]	.151[a]

a. Not corrected for ties.

E1-E2

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	E1	5	5.70	28.50
	E2	5	5.30	26.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	11.500
Wilcoxon W	26.500
Z	-.210
Asymp. Sig. (2-tailed)	.834
Exact Sig. [2*(1-tailed Sig.)]	.841[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

E1-E3

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	E1	5	5.30	26.50
	E3	5	5.70	28.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	11.500
Wilcoxon W	26.500
Z	-.210
Asymp. Sig. (2-tailed)	.834
Exact Sig. [2*(1-tailed Sig.)]	.841[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

E1-E4

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	E1	5	4.50	22.50
	E4	5	6.50	32.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	7.500
Wilcoxon W	22.500
Z	-1.078
Asymp. Sig. (2-tailed)	.281
Exact Sig. [2*(1-tailed Sig.)]	.310[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

E2-E3

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	E2	5	5.70	28.50
	E3	5	5.30	26.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	11.500
Wilcoxon W	26.500
Z	-.210
Asymp. Sig. (2-tailed)	.834
Exact Sig. [2*(1-tailed Sig.)]	.841[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

E2-E4

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	E2	5	4.30	21.50
	E4	5	6.70	33.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	6.500
Wilcoxon W	21.500
Z	-1.293
Asymp. Sig. (2-tailed)	.196
Exact Sig. [2*(1-tailed Sig.)]	.222[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

E3-E4

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Neutrofil	E3	5	4.10	20.50
	E4	5	6.90	34.50
	Total	10		

Test Statistics[b]

	Neutrofil
Mann-Whitney U	5.500
Wilcoxon W	20.500
Z	-1.509
Asymp. Sig. (2-tailed)	.131
Exact Sig. [2*(1-tailed Sig.)]	.151[a]

a. Not corrected for ties.

b. Grouping Variable: Kelompok

Lampiran 2

PENENTUAN DOSIS UJI

Dosis yang digunakan pada hewan uji (mencit Balb/c) perlu dikonversi terlebih dahulu menggunakan tabel konversi berdasarkan luas permukaan tubuh seperti di bawah ini.

Tabel 1. Konversi Dosis Hewan Coba ke Dalam *HED* berdasar Luas Permukaan Tubuh *(BSA)*

Spesies	**Berat Badan (kg)**	**Luas Permukaan Tubuh (m^2)**	**Faktor K_m**
Manusia			
Dewasa	60	1.6	37
Anak	20	0.8	25
Babon	12	0.6	20
Anjing	10	0.5	20
Monyet	3	0.24	12
Kelinci	1.8	0.15	12
Guinea Pig	0.4	0.05	8
Tikus	0.15	0.025	6
Hamster	0.08	0.02	5
Mencit	002	0.007	3

*Nilai berdasarkan *FDA Draft Guideline.*

Perhitungan dosis selanjutnya menggunakan rumus :

Formula for Dose Translation Based on BSA

$$\text{HED (mg/kg)} = \text{Animal dose (mg/kg)} \ \textit{multiplied by} \ \frac{\text{Animal } Km}{\text{Human } Km}$$

Lampiran 3

GAMBAR PROSES PENGINFEKSIAN MENCIT