

LAMPIRAN 1

Hasil Pengamatan Jumlah Mortalitas Larva *Aedes aegypti* Instar III Setiap 4 Jam Selama 24 Jam.

Tanggal: 12-13 Januari dan 13-14 Febuari 2017

Waktu: Pukul 18.30-18.30 WIB

No	Kelompok	4 Jam					8 Jam					12 Jam					16 Jam					20 Jam					24 Jam				
		R1	R2	R3	M	M (%)	R1	R2	R3	M	M (%)	R1	R2	R3	M	M (%)	R1	R2	R3	M	M (%)	R1	R2	R3	M	M (%)	R1	R2	R3	M	M (%)
1.	P1 (3%)	20	19	20	19.67	98.33	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100
2.	P2 (2,5%)	17	19	18	18	90	19	20	20	19.67	98.33	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100
3.	P3 (2%)	17	15	15	15.67	78.33	19	17	18	18	90	20	19	19	19.33	96.67	20	20	19	19.67	98.33	20	20	20	20	100	20	20	20	20	100
4.	P4 (1,5%)	13	10	11	11.33	56.67	16	13	15	14.67	73.33	20	16	17	17.67	88.33	20	18	18	18.67	93.33	20	19	19	19.33	96.67	19.6	19.6	19.6	19.6	98.33
5.	P5 (1%)	8	9	7	8	40	12	14	10	12	60	14	16	13	14.33	76.67	15	17	15	15.67	78.33	17	17	16	16.67	83.33	19	18	18	18.3	91.67
6.	P6 (0,75%)	7	5	6	6	30	11	9	7	9	45	14	12	11	12.33	61.67	16	15	12	14.33	71.67	16	16	14	15.33	76.67	17	16	15	16	80
7.	P7 (0,5%)	5	3	2	3.33	16.67	7	6	4	5.67	28.33	9	8	7	8	40	12	11	10	11	55	14	12	12	12.67	63.33	15	12	13	13.3	67
8.	P8 (0,25%)	0	0	0	0	0	2	0	1	1	5	4	2	3	3	15	7	6	6	6.33	31.67	8	7	8	7.67	38.33	8	8	10	8.7	43.3
9.	P9 (0,125%)	0	0	0	0	0	0	0	1	0.3	1.67	1	0	1	0.67	3.33	1	1	2	1.33	6.67	2	3	2	2.33	11.67	2	4	3	3	15
10	K (+) Abate	18	18	17	17.67	88.33	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100	20	20	20	20	100
11	K (-) Air biologis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Keterangan:

P : Perlakuan

K : Kontrol

R : Replikasi

M : Rerata

M (%) : Presentase kumulatif kematian larva (%)

N : 20 Larva

LAMPIRAN 2

Hasil Uji SPSS

Frekuensi

Statistics

MORTALITAS

N	Valid	66
	Missing	0
Mean		12.3536
Std. Error of Mean		.94587
Median		15.0000
Std. Deviation		7.68426
Variance		59.048
Range		20.00
Minimum		.00
Maximum		20.00

Uji Normalitas

Tests of Normality^b

KELOMP	OK	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
MORTALITAS	3%	.492	6	.000	.496	6	.000
	2.5%	.362	6	.013	.593	6	.000
	2%	.294	6	.114	.794	6	.052
	1.5%	.261	6	.200*	.857	6	.179
	1%	.184	6	.200*	.949	6	.736
	0.75%	.209	6	.200*	.907	6	.418
	0.5%	.191	6	.200*	.932	6	.596
	0.25%	.199	6	.200*	.915	6	.467
	0.125%	.196	6	.200*	.931	6	.588
	K+	.492	6	.000	.496	6	.000

a. Lilliefors Significance Correction

Uji Kruskal-Wallis

Ranks

	KELOMPOK	N	Mean Rank
MORTALITAS	3%	6	56.83
	2.5%	6	54.00
	2%	6	48.00
	1.5%	6	39.42
	1%	6	32.75
	0.75%	6	28.75
	0.5%	6	23.08
	0.25%	6	15.33
	0.125%	6	10.50
	K+	6	55.33
	K-	6	4.50
	Total	66	

Test Statistics^{a,b}

	MORTALITAS
Chi-Square	58.235
df	10
Asymp. Sig.	.000

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	14.500
Wilcoxon W	35.500
Z	-.738
Asymp. Sig. (2-tailed)	.461
Exact Sig. [2*(1-tailed Sig.)]	.589 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	7.500
Wilcoxon W	28.500
Z	-1.879
Asymp. Sig. (2-tailed)	.060
Exact Sig. [2*(1-tailed Sig.)]	.093 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.500
Wilcoxon W	21.500
Z	-2.911
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
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Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	17.500
Wilcoxon W	38.500
Z	-.123
Asymp. Sig. (2-tailed)	.902
Exact Sig. [2*(1-tailed Sig.)]	.937 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 3% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.207
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	14.500
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Z	-.738
Asymp. Sig. (2-tailed)	.461
Exact Sig. [2*(1-tailed Sig.)]	.589 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	11.000
Wilcoxon W	32.000
Z	-1.201
Asymp. Sig. (2-tailed)	.230
Exact Sig. [2*(1-tailed Sig.)]	.310 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.500
Wilcoxon W	24.500
Z	-2.368
Asymp. Sig. (2-tailed)	.018
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 1%

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	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.771
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.934
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.934
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.934
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.934
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	16.000
Wilcoxon W	37.000
Z	-.420
Asymp. Sig. (2-tailed)	.674
Exact Sig. [2*(1-tailed Sig.)]	.818 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2,5% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.140
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	7.500
Wilcoxon W	28.500
Z	-1.879
Asymp. Sig. (2-tailed)	.060
Exact Sig. [2*(1-tailed Sig.)]	.093 ^a

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Test Statistics^b

	MORTALITAS
Mann-Whitney U	11.000
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Z	-1.201
Asymp. Sig. (2-tailed)	.230
Exact Sig. [2*(1-tailed Sig.)]	.310 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.449
Asymp. Sig. (2-tailed)	.147
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.500
Wilcoxon W	24.500
Z	-2.330
Asymp. Sig. (2-tailed)	.020
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.727
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.887
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.887
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan 0,125%

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	MORTALITAS
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Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	10.000
Wilcoxon W	31.000
Z	-1.428
Asymp. Sig. (2-tailed)	.153
Exact Sig. [2*(1-tailed Sig.)]	.240 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 2% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.083
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.500
Wilcoxon W	21.500
Z	-2.911
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.500
Wilcoxon W	24.500
Z	-2.368
Asymp. Sig. (2-tailed)	.018
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.449
Asymp. Sig. (2-tailed)	.147
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.441
Asymp. Sig. (2-tailed)	.150
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	6.000
Wilcoxon W	27.000
Z	-1.922
Asymp. Sig. (2-tailed)	.055
Exact Sig. [2*(1-tailed Sig.)]	.065 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	2.000
Wilcoxon W	23.000
Z	-2.562
Asymp. Sig. (2-tailed)	.010
Exact Sig. [2*(1-tailed Sig.)]	.009 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	
Exact Sig. [2*(1-tailed Sig.)]	.004.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.500
Wilcoxon W	24.500
Z	-2.412
Asymp. Sig. (2-tailed)	.016
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1,5% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.771
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.500
Wilcoxon W	24.500
Z	-2.330
Asymp. Sig. (2-tailed)	.020
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.441
Asymp. Sig. (2-tailed)	.150
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	12.500
Wilcoxon W	33.500
Z	-.882
Asymp. Sig. (2-tailed)	.378
Exact Sig. [2*(1-tailed Sig.)]	.394 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	5.500
Wilcoxon W	26.500
Z	-2.005
Asymp. Sig. (2-tailed)	.045
Exact Sig. [2*(1-tailed Sig.)]	.041 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.722
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan 0,125%

Test Statistics^b

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Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
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Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.823
Asymp. Sig. (2-tailed)	.005
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 1% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,75% dan 3%

Test Statistics^b

	MORTALITAS
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Test Statistics^b

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Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.727
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,75% dan 1,5%

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Test Statistics^b

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Asymp. Sig. (2-tailed)	.010
Exact Sig. [2*(1-tailed Sig.)]	.009 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,5% dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	5.500
Wilcoxon W	26.500
Z	-2.005
Asymp. Sig. (2-tailed)	.045
Exact Sig. [2*(1-tailed Sig.)]	.041 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,5% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.441
Asymp. Sig. (2-tailed)	.150
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,5% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	7.000
Wilcoxon W	28.000
Z	-1.761
Asymp. Sig. (2-tailed)	.078
Exact Sig. [2*(1-tailed Sig.)]	.093 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,5% dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,5% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,5% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.934
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.887
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.722
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.000
Wilcoxon W	24.000
Z	-2.402
Asymp. Sig. (2-tailed)	.016
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	7.000
Wilcoxon W	28.000
Z	-1.761
Asymp. Sig. (2-tailed)	.078
Exact Sig. [2*(1-tailed Sig.)]	.093 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.446
Asymp. Sig. (2-tailed)	.148
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,25% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.000
Wilcoxon W	24.000
Z	-2.678
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.934
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.887
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.882
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	9.000
Wilcoxon W	30.000
Z	-1.446
Asymp. Sig. (2-tailed)	.148
Exact Sig. [2*(1-tailed Sig.)]	.180 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi 0,125% dan K-

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.000
Wilcoxon W	24.000
Z	-2.678
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K+ dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	17.500
Wilcoxon W	38.500
Z	-.123
Asymp. Sig. (2-tailed)	.902
Exact Sig. [2*(1-tailed Sig.)]	.937 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K+ dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	16.000
Wilcoxon W	37.000
Z	-.420
Asymp. Sig. (2-tailed)	.674
Exact Sig. [2*(1-tailed Sig.)]	.818 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	10.000
Wilcoxon W	31.000
Z	-1.428
Asymp. Sig. (2-tailed)	.153
Exact Sig. [2*(1-tailed Sig.)]	.240 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.500
Wilcoxon W	24.500
Z	-2.412
Asymp. Sig. (2-tailed)	.016
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	1.000
Wilcoxon W	22.000
Z	-2.823
Asymp. Sig. (2-tailed)	.005
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.989
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K⁺ dan K⁻

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.207
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 3%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.207
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 2,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.140
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 2%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.083
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 1,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 1%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 0,75%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-hitney Perbandingan Konsentrasi K- dan 0,5%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.077
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 0,25%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.000
Wilcoxon W	24.000
Z	-2.678
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan 0,125%

Test Statistics^b

	MORTALITAS
Mann-Whitney U	3.000
Wilcoxon W	24.000
Z	-2.678
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.015 ^a

Uji Mann-Whitney Perbandingan Konsentrasi K- dan K+

Test Statistics^b

	MORTALITAS
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.207
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

Hasil Analisa Probit

Probit Analysis

Data Information

		N of Cases
Valid		27
Rejected	Missing	0
	Number of Responses > Number of Subjects	0
Control Group		0

Convergence Information

	Number of Iterations	Optimal Solution Found
PROBIT	13	Yes

Parameter Estimates

Parameter	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
PROBIT ^a Konsentrasi	1.313	.113	11.604	.000	1.091	1.534
Intercept	-1.789	.241	-7.422	.000	-2.030	-1.548

a. PROBIT model: $\text{PROBIT}(p) = \text{Intercept} + BX$

Covariances and Correlations of Parameter Estimates

		Konsentrasi	Natural Response
PROBIT	Konsentrasi	.013	.582
	Natural Response	.004	.004

Covariances (below) and Correlations (above).

Natural Response Rate Estimate^a

	Estimate	Std. Error
PROBIT	.000	.064

a. Control group is not provided.

Chi-Square Tests

		Chi-Square	df ^a	Sig.
PROBIT	Pearson Goodness-of-Fit Test	23.261	24	.504 ^b

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is greater than .500, no heterogeneity factor is used in the calculation of confidence limits.

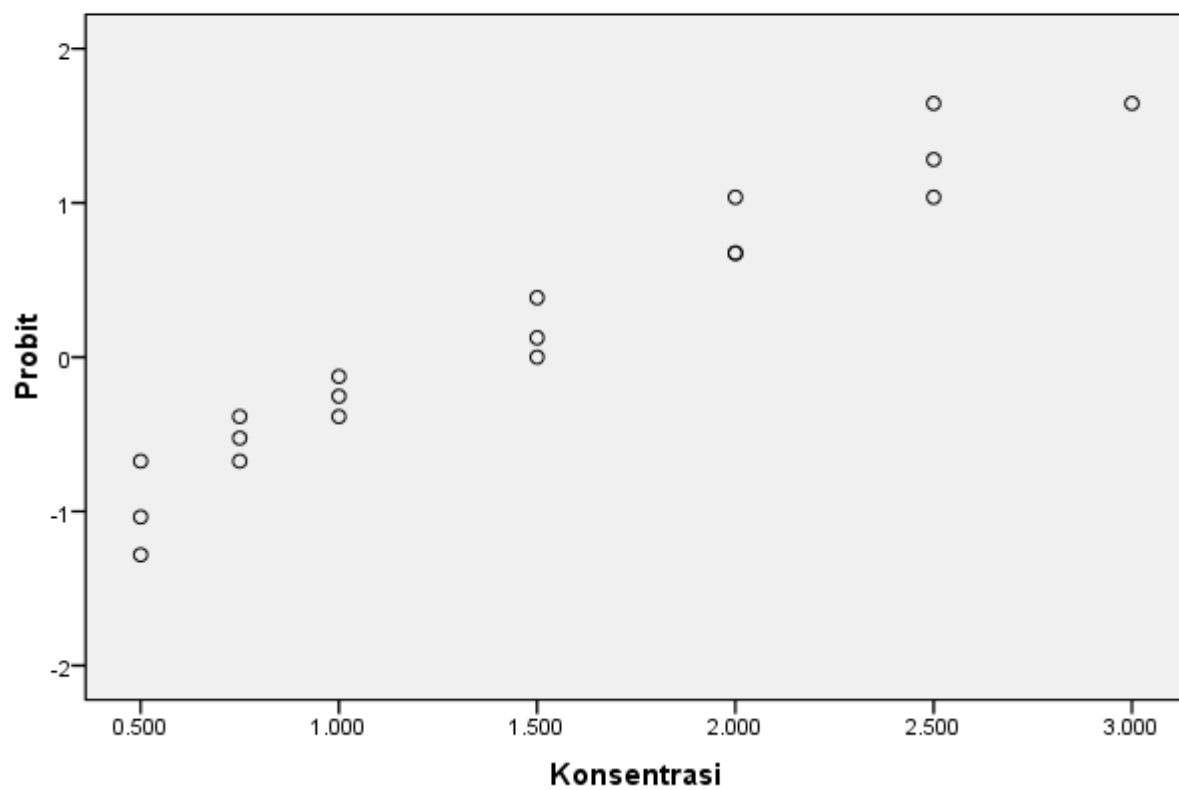
Cell Counts and Residuals

	Number	Konsentrasi	Number of Subjects	Observed Responses	Expected Responses	Residual	Probability
PROBIT	1	3.000	20	20	19.684	.316	.984
	2	2.500	20	17	18.645	-1.645	.932
	3	2.000	20	17	15.970	1.030	.798
	4	1.500	20	13	11.428	1.572	.571
	5	1.000	20	8	6.338	1.662	.317
	6	.750	20	7	4.211	2.789	.211
	7	.500	20	5	2.573	2.427	.129
	8	.250	20	0	1.440	-1.440	.072
	9	.125	20	0	1.042	-1.042	.052
	10	3.000	20	19	19.684	-.684	.984
	11	2.500	20	19	18.645	.355	.932
	12	2.000	20	15	15.970	-.970	.798
	13	1.500	20	10	11.428	-1.428	.571
	14	1.000	20	9	6.338	2.662	.317
	15	.750	20	5	4.211	.789	.211
	16	.500	20	3	2.573	.427	.129
	17	.250	20	0	1.440	-1.440	.072
	18	.125	20	0	1.042	-1.042	.052
	19	3.000	20	20	19.684	.316	.984
	20	2.500	20	18	18.645	-.645	.932
	21	2.000	20	15	15.970	-.970	.798
	22	1.500	20	11	11.428	-.428	.571
	23	1.000	20	7	6.338	.662	.317
	24	.750	20	6	4.211	1.789	.211
	25	.500	20	2	2.573	-.573	.129
	26	.250	20	0	1.440	-1.440	.072
	27	.125	20	0	1.042	-1.042	.052

Confidence Limits

		95% Confidence Limits for Konsentrasi		
Probability		Estimate	Lower Bound	Upper Bound
PROBIT	0.01	-.409	-.908	-.043
	0.02	-.202	-.662	.138
	0.03	-.070	-.506	.254
	0.04	.029	-.389	.341
	0.05	.110	-.294	.412
	0.06	.179	-.213	.472
	0.07	.239	-.142	.525
	0.08	.293	-.079	.573
	0.09	.342	-.022	.616
	0.1	.387	.031	.656
	0.15	.573	.249	.823
	0.2	.722	.421	.956
	0.25	.849	.568	1.072
	0.3	.963	.699	1.176
	0.35	1.069	.820	1.274
	0.4	1.170	.933	1.367
	0.45	1.267	1.042	1.459
	0.5	1.363	1.148	1.550
	0.55	1.459	1.253	1.642
	0.6	1.556	1.358	1.737
	0.65	1.656	1.465	1.837
	0.7	1.762	1.577	1.943
	0.75	1.877	1.695	2.061
	0.8	2.004	1.824	2.194
	0.85	2.152	1.971	2.352
	0.9	2.339	2.152	2.556
	0.91	2.384	2.195	2.606
	0.92	2.433	2.241	2.660
	0.93	2.487	2.292	2.720
	0.94	2.547	2.348	2.788
	0.95	2.616	2.412	2.865
	0.96	2.697	2.486	2.957
	0.97	2.796	2.577	3.070
	0.98	2.927	2.697	3.222
	0.99	3.135	2.884	3.462

Probit Transformed Responses



Probit Analysis

Data Information

		N of Cases
Valid		18
Rejected	Missing	0
	Number of Responses > Number of Subjects	0
Control Group		0

Convergence Information

	Number of Iterations	Optimal Solution Found
PROBIT	20	Yes

a. Parameter estimates did not converge.

Parameter Estimates

Parameter	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
PROBIT ^a waktu	.149	.114	1.311	.190	-.074	.372
Intercept	-.276	2.557	-.108	.914	-2.833	2.282

a. PROBIT model: $\text{PROBIT}(p) = \text{Intercept} + BX$

Covariances and Correlations of Parameter Estimates

		waktu	Natural Response
PROBIT	waktu	.013	.953
	Natural Response	.139	1.645

Covariances (below) and Correlations (above).

Natural Response Rate Estimate^a

	Estimate	Std. Error
PROBIT	.428	1.283

a. Control group is not provided.

Chi-Square Tests

		Chi-Square	df ^a	Sig.
PROBIT	Pearson Goodness-of-Fit Test	6.613	15	.968 ^b

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is greater than .500, no heterogeneity factor is used in the calculation of confidence limits.

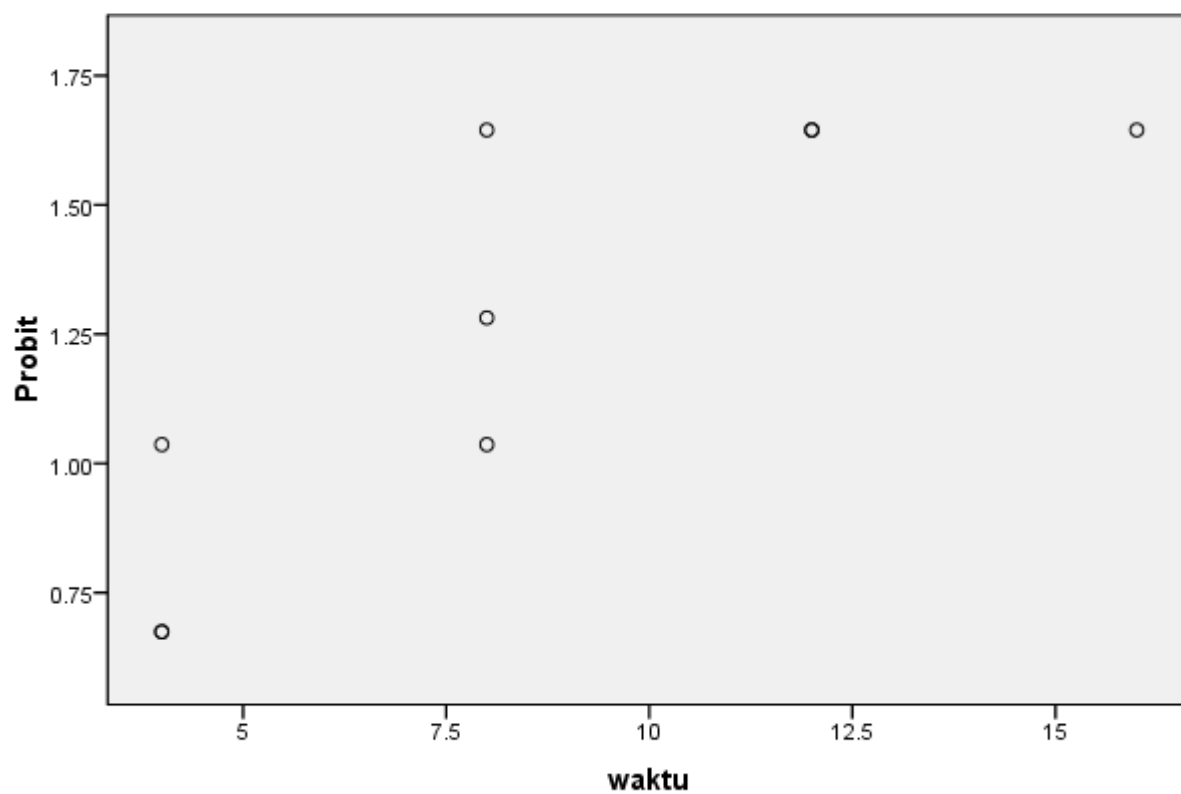
Cell Counts and Residuals


	Number	waktu	Number of Subjects	Observed Responses	Expected Responses	Residual	Probability
PROBIT	1	4.000	20	17	15.715	1.285	.786
	2	4.000	20	15	15.715	-.715	.786
	3	4.000	20	15	15.715	-.715	.786
	4	8.000	20	19	17.944	1.056	.897
	5	8.000	20	17	17.944	-.944	.897
	6	8.000	20	18	17.944	.056	.897
	7	12.000	20	20	19.255	.745	.963
	8	12.000	20	19	19.255	-.255	.963
	9	12.000	20	19	19.255	-.255	.963
	10	16.000	20	20	19.800	.200	.990
	11	16.000	20	20	19.800	.200	.990
	12	16.000	20	19	19.800	-.800	.990
	13	20.000	20	20	19.961	.039	.998
	14	20.000	20	20	19.961	.039	.998
	15	20.000	20	20	19.961	.039	.998
	16	24.000	20	20	19.995	.005	1.000
	17	24.000	20	20	19.995	.005	1.000
	18	24.000	20	20	19.995	.005	1.000

Confidence Limits

		95% Confidence Limits for waktu		
	Probability	Estimate	Lower Bound	Upper Bound
PROBIT	0.01	-13.755	-65.799.	-4.566.
	0.02	-11.927	-59.940.	-2.210.
	0.03	-10.767	-51.241.	-1.024.
	0.04	-9.894	-47.943.	.712.
	0.05	-9.184	-46.235.	.968.
	0.06	-8.580	-45.676.	1.812.
	0.07	-8.050	-45.022.	2.268.
	0.08	-7.575	-43.057.	2.859.
	0.09	-7.144	-42.357.	4.412.
	0.1	-6.747	-39.778.	6.211.
	0.15	-5.103	-34.787.	6.496.
	0.2	-3.796	-31.356.	6.733.
	0.25	-2.675	-29.882.	6.910.
	0.3	-1.668	-24.943.	7.548.
	0.35	-.735	-21.773.	7.933.
	0.4	.150	-15.655.	8.372.
	0.45	1.007	-11.598.	10.982.
	0.5	1.850	-10.877.	11.243.
	0.55	2.693	-8.946.	12.427.
	0.6	4.549	-7.562.	13.892.
	0.65	5.435	-5.988.	15.343.
	0.7	6.367	-5.122.	16.215.
	0.75	7.374	-4.233.	17.938.
	0.8	8.495	-3.982.	19.428.
0.85	10.802	-3.344.	20.365.	
0.9	11.946	-2.299.	21.954.	
0.91	12.844	-1.761.	22.262.	
0.92	13.275	-1.104.	22.891.	
0.93	13.749	-.921.	23.110.	
0.94	14.279	-.658.	23.641.	
0.95	14.884	-.544.	25.924.	
0.96	15.593	-.126.	27.176.	
0.97	16.466	1.982.	27.965.	
0.98	17.626	4.877.	28.982.	
0.99	18.455	7.132.	30.892.	

Probit Transformed Responses



	LEMBAR KERJA UJI EKSTRAKSI LABORATORIUM PENGUJIAN "LPPT-UGM"		RDP/5.10.2/LPPT Rev.01
	Nama sample	Simplisia Mahkota Dewa	No. Pengujian
Kode sample	16080101631	Tanggal Diterima	05 Agustus 2016
Tanggal Pengujian	05 - 23 Agustus 2016	Tanggal Selesai	23 Agustus 2016
Suhu Ruangan		Kelembaban	
Metode Uji	1. Ekstraksi Maserasi	2.	
	3.	4.	

Prosedur Pembuatan Ekstrak Mahkota Dewa

1. Serbuk Simplisia Mahkota Dewa menggunakan mesin penyerbuk dengan diameter lubang saringan 1 mm.
2. Timbang serbuk Mahkota Dewa
3. Tambahkan Methanol 70%.
4. Aduk dengan *ultraturaq* selama 30 menit, diamkan 24 jam, kemudian saring (ulang 2 kali).
5. Uapkan filtrate dengan Vacuum Rotary Evaporator pemanas waterbath suhu 60 °C
6. Tuang ekstrak kental dalam cawan porselin.
7. Panaskan dengan waterbath suhu 70 °C sambil sesekali diaduk.
8. Timbang dan kemas hasil ekstrak Mahkota Dewa.

Data Pembuatan Ekstrak Mahkota Dewa

Berat Serbuk Mahkota Dewa	: 300,12 gram
Methanol 70%	: 7000 mL
Berat Ekstrak Mahkota Dewa	: 69,62 gram

Diperiksa/Disetujui Oleh :	Dikerjakan Oleh :
Anom Irawan, ST	Dani Sapdani



Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta

Nomor : 073/EP-FKIK-UMY/II/2017

KETERANGAN LOLOS UJI ETIK
ETHICAL APPROVAL

Komite Etik Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta dalam upaya melindungi hak asasi dan kesejahteraan responden/subyek penelitian, telah mengkaji dengan teliti protokol berjudul :

The Ethics Committee of the Faculty of Medicine and Health Sciences, University of Muhammadiyah Yogyakarta, with regards of the protection of human rights and welfare in research, has carefully reviewed the research protocol entitled :

“Efektivitas Ekstrak Buah mahkota Dewa (*Phaleria Macrocarpa*) dengan Pelarut Metanol Sebagai Larvasida *Aedes Aegypti*”

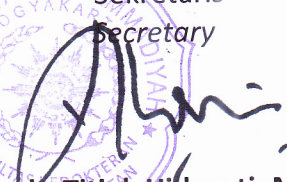
Peneliti Utama : Aferita Sari
Principal Investigator

Nama Institusi : Program Studi Pendidikan Dokter FKIK UMY
Name of the Institution

Negara : Indonesia
Country

Dan telah menyetujui protokol tersebut diatas.
And approved the above-mentioned protocol.

Yogyakarta, 18 Februari 2017

Sekretaris
Secretary

Dr. dr. Titi Hidayati, M. Kes

*Peneliti Berkewajiban :

1. Menjaga kerahasiaan identitas subyek penelitian
2. Memberitahukan status penelitian apabila :
 - a. Setelah masa berlakunya keterangan lolos uji etik, penelitian masih belum selesai, dalam hal ini *ethical clearance* harus diperpanjang
 - b. Penelitian berhenti di tengah jalan
3. Melaporkan kejadian serius yang tidak diinginkan (*serious adverse events*)
4. Peneliti tidak boleh melakukan tindakan apapun pada responden/subyek sebelum penelitian lolos uji etik dan *informed consent*

Kampus:

Jl. Lingkar Selatan, Tamantirto, Kasihan, Bantul, Yogyakarta 55183
Telp. (0274) 387656 ext. 213 , 7491350 Fax. (0274) 387658

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