

LAMPIRAN

Lampiran 1

Descriptive Statistics

Dependent Variable:potensi_insektisida

konsen	trasi	waktu	Mean	Std. Deviation	N
K-		0	.00	.000	4
		10	.00	.000	4
		20	.00	.000	4
		30	.00	.000	4
		40	.00	.000	4
		50	.00	.000	4
		60	.00	.000	4
		360	.00	.000	4
		1440	.00	.000	4
		Total	.00	.000	36
2.5%		0	.00	.000	4
		10	.00	.000	4
		20	.00	.000	4
		30	5.00	5.774	4
		40	10.00	.000	4
		50	10.00	.000	4
		60	12.50	5.000	4
		360	30.00	.000	4
		1440	52.50	5.000	4
		Total	13.33	16.903	36
5%		0	.00	.000	4
		10	.00	.000	4
		20	.00	.000	4
		30	10.00	.000	4
		40	20.00	.000	4

	50	27.50	5.000	4
	60	40.00	11.547	4
	360	60.00	.000	4
	1440	100.00	.000	4
	Total	28.61	32.439	36
7.5%	0	.00	.000	4
	10	2.50	5.000	4
	20	15.00	10.000	4
	30	22.50	5.000	4
	40	30.00	8.165	4
	50	47.50	5.000	4
	60	52.50	9.574	4
	360	82.50	9.574	4
	1440	100.00	.000	4
	Total	39.17	33.753	36
10%	0	.00	.000	4
	10	15.00	10.000	4
	20	27.50	9.574	4
	30	40.00	.000	4
	40	45.00	5.774	4
	50	52.50	5.000	4
	60	67.50	5.000	4
	360	97.50	5.000	4
	1440	100.00	.000	4
	Total	49.44	33.205	36
K+	0	.00	.000	4
	10	85.00	5.774	4
	20	100.00	.000	4
	30	100.00	.000	4
	40	100.00	.000	4
	50	100.00	.000	4
	60	100.00	.000	4

	360	100.00	.000	4
	1440	100.00	.000	4
	Total	87.22	31.678	36
Total	0	.00	.000	24
	10	17.08	31.825	24
	20	23.75	36.691	24
	30	29.58	34.951	24
	40	34.17	33.611	24
	50	39.58	33.684	24
	60	45.42	34.638	24
	360	61.67	37.494	24
	1440	75.42	38.784	24
	Total	36.30	39.108	216

Uji normalitas Kolmogorov Smirnov

One-Sample Kolmogorov-Smirnov Test

		potensi_insekti sida
N		216
Normal Parameters ^a	Mean	36.30
	Std. Deviation	39.108
Most Extreme Differences	Absolute	.217
	Positive	.217
	Negative	-.177
Kolmogorov-Smirnov Z		3.188
Asymp. Sig. (2-tailed)		.110

a. Test distribution is Normal.

Uji Homogenitas data

Levene's Test of Equality of Error Variances^a

Dependent Variable: potensi_insektisida

F	df1	df2	Sig.
8.985	53	162	.070

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + konsentrasi + waktu + konsentrasi * waktu

Uji One Way Anova

ANOVA 10 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	29451.200	4	7362.800	1.972E3	.000
Within Groups	56.000	15	3.733		
Total	29507.200	19			

ANOVA 20 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	27328.000	4	6832.000	1.708E3	.000
Within Groups	60.000	15	4.000		
Total	27388.000	19			

ANOVA 30 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	22219.200	4	5554.800	320.469	.000
Within Groups	260.000	15	17.333		
Total	22479.200	19			

ONEWAY potensi_insektisida BY konsentrasi

ANOVA 40 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17580.800	4	4395.200	316.962	.000
Within Groups	208.000	15	13.867		
Total	17788.800	19			

ANOVA 50 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13076.800	4	3269.200	200.975	.000
Within Groups	244.000	15	16.267		
Total	13320.800	19			

ANOVA 60 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13180.800	4	3295.200	1.030E3	.000
Within Groups	48.000	15	3.200		

ANOVA 60 menit

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13180.800	4	3295.200	1.030E3	.000
Within Groups	48.000	15	3.200		
Total	13228.800	19			

ANOVA 6 jam

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6196.800	4	1549.200	414.964	.000
Within Groups	56.000	15	3.733		
Total	6252.800	19			

ANOVA 24 jam

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17580.800	4	4395.200	316.962	.000
Within Groups	208.000	15	13.867		
Total	17788.800	19			

Uji Post Hoc Tukey

Konsentrasi

Multiple Comparisons

potensi_insektisida

Tukey HSD

(I)	(J)	Mean	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K-	2.5%	-13.33*	1.014	.000	-16.26	-10.41
	5%	-28.61*	1.014	.000	-31.54	-25.69
	7.5%	-39.17*	1.014	.000	-42.09	-36.24
	10%	-49.44*	1.014	.000	-52.37	-46.52
	K+	-87.22*	1.014	.000	-90.15	-84.30
2.5%	K-	13.33*	1.014	.000	10.41	16.26
	5%	-15.28*	1.014	.000	-18.20	-12.35
	7.5%	-25.83*	1.014	.000	-28.76	-22.91
	10%	-36.11*	1.014	.000	-39.04	-33.19
	K+	-73.89*	1.014	.000	-76.81	-70.96
5%	K-	28.61*	1.014	.000	25.69	31.54
	2.5%	15.28*	1.014	.000	12.35	18.20
	7.5%	-10.56*	1.014	.000	-13.48	-7.63
	10%	-20.83*	1.014	.000	-23.76	-17.91
	K+	-58.61*	1.014	.000	-61.54	-55.69
7.5%	K-	39.17*	1.014	.000	36.24	42.09
	2.5%	25.83*	1.014	.000	22.91	28.76
	5%	10.56*	1.014	.000	7.63	13.48
	10%	-10.28*	1.014	.000	-13.20	-7.35
	K+	-48.06*	1.014	.000	-50.98	-45.13
10%	K-	49.44*	1.014	.000	46.52	52.37
	2.5%	36.11*	1.014	.000	33.19	39.04

	5%	20.83*	1.014	.000	17.91	23.76
	7.5%	10.28*	1.014	.000	7.35	13.20
	K+	-37.78*	1.014	.000	-40.70	-34.85
K+	K-	87.22*	1.014	.000	84.30	90.15
	2.5%	73.89*	1.014	.000	70.96	76.81
	5%	58.61*	1.014	.000	55.69	61.54
	7.5%	48.06*	1.014	.000	45.13	50.98
	10%	37.78*	1.014	.000	34.85	40.70

Based on observed means.

The error term is Mean Square(Error) = 18.519.

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

Homogeneous Subsets

potensi_insektisida

Tukey HSD

konsen trasi	N	Subset					
		1	2	3	4	5	6
K-	36	.00					
2.5%	36		13.33				
5%	36			28.61			
7.5%	36				39.17		
10%	36					49.44	
K+	36						87.22
Sig.		1.000	1.000	1.000	1.000	1.000	1.000

Waktu

Multiple Comparisons

potensi_insektisida

Tukey HSD

(I) waktu	(J) waktu	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	10	-17.08*	1.242	.000	-20.99	-13.18
	20	-23.75*	1.242	.000	-27.66	-19.84
	30	-29.58*	1.242	.000	-33.49	-25.68
	40	-34.17*	1.242	.000	-38.07	-30.26
	50	-39.58*	1.242	.000	-43.49	-35.68
	60	-45.42*	1.242	.000	-49.32	-41.51
	360	-61.67*	1.242	.000	-65.57	-57.76
	1440	-75.42*	1.242	.000	-79.32	-71.51
10	0	17.08*	1.242	.000	13.18	20.99
	20	-6.67*	1.242	.000	-10.57	-2.76
	30	-12.50*	1.242	.000	-16.41	-8.59
	40	-17.08*	1.242	.000	-20.99	-13.18
	50	-22.50*	1.242	.000	-26.41	-18.59
	60	-28.33*	1.242	.000	-32.24	-24.43
	360	-44.58*	1.242	.000	-48.49	-40.68
	1440	-58.33*	1.242	.000	-62.24	-54.43
20	0	23.75*	1.242	.000	19.84	27.66
	10	6.67*	1.242	.000	2.76	10.57
	30	-5.83*	1.242	.000	-9.74	-1.93
	40	-10.42*	1.242	.000	-14.32	-6.51
	50	-15.83*	1.242	.000	-19.74	-11.93
	60	-21.67*	1.242	.000	-25.57	-17.76
	360	-37.92*	1.242	.000	-41.82	-34.01
	1440	-51.67*	1.242	.000	-55.57	-47.76

30	0	29.58*	1.242	.000	25.68	33.49
	10	12.50*	1.242	.000	8.59	16.41
	20	5.83*	1.242	.000	1.93	9.74
	40	-4.58*	1.242	.009	-8.49	-.68
	50	-10.00*	1.242	.000	-13.91	-6.09
	60	-15.83*	1.242	.000	-19.74	-11.93
	360	-32.08*	1.242	.000	-35.99	-28.18
	1440	-45.83*	1.242	.000	-49.74	-41.93
40	0	34.17*	1.242	.000	30.26	38.07
	10	17.08*	1.242	.000	13.18	20.99
	20	10.42*	1.242	.000	6.51	14.32
	30	4.58*	1.242	.009	.68	8.49
	50	-5.42*	1.242	.001	-9.32	-1.51
	60	-11.25*	1.242	.000	-15.16	-7.34
	360	-27.50*	1.242	.000	-31.41	-23.59
	1440	-41.25*	1.242	.000	-45.16	-37.34
50	0	39.58*	1.242	.000	35.68	43.49
	10	22.50*	1.242	.000	18.59	26.41
	20	15.83*	1.242	.000	11.93	19.74
	30	10.00*	1.242	.000	6.09	13.91
	40	5.42*	1.242	.001	1.51	9.32
	60	-5.83*	1.242	.000	-9.74	-1.93
	360	-22.08*	1.242	.000	-25.99	-18.18
	1440	-35.83*	1.242	.000	-39.74	-31.93
60	0	45.42*	1.242	.000	41.51	49.32
	10	28.33*	1.242	.000	24.43	32.24
	20	21.67*	1.242	.000	17.76	25.57
	30	15.83*	1.242	.000	11.93	19.74
	40	11.25*	1.242	.000	7.34	15.16
	50	5.83*	1.242	.000	1.93	9.74
	360	-16.25*	1.242	.000	-20.16	-12.34
	1440	-30.00*	1.242	.000	-33.91	-26.09

360	0	61.67*	1.242	.000	57.76	65.57
	10	44.58*	1.242	.000	40.68	48.49
	20	37.92*	1.242	.000	34.01	41.82
	30	32.08*	1.242	.000	28.18	35.99
	40	27.50*	1.242	.000	23.59	31.41
	50	22.08*	1.242	.000	18.18	25.99
	60	16.25*	1.242	.000	12.34	20.16
	1440	-13.75*	1.242	.000	-17.66	-9.84
1440	0	75.42*	1.242	.000	71.51	79.32
	10	58.33*	1.242	.000	54.43	62.24
	20	51.67*	1.242	.000	47.76	55.57
	30	45.83*	1.242	.000	41.93	49.74
	40	41.25*	1.242	.000	37.34	45.16
	50	35.83*	1.242	.000	31.93	39.74
	60	30.00*	1.242	.000	26.09	33.91
	360	13.75*	1.242	.000	9.84	17.66

Based on observed means.

The error term is Mean Square(Error) = 18.519.

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

Homogeneous Subsets

potensi_insektisida

Tukey HSD

waktu	N	Subset								
		1	2	3	4	5	6	7	8	9
0	24	.00								
10	24		17.08							
20	24			23.75						
30	24				29.58					
40	24					34.17				
50	24						39.58			

60	24							45.42		
360	24								61.67	
1440	24									75.42
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means. The error term is Mean Square(Error) = 18.519.

Uji Korelasi Pearson

Correlations

		potensi_insekti sida2
konsentrasi2	Pearson Correlation	.753**
	Sig. (2-tailed)	.000
	N	179
waktu_2	Pearson Correlation	.579**
	Sig. (2-tailed)	.000
	N	179

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

Uji Regresi Linier

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	waktu_2, konsentrasi2 ^a		Enter

a. All requested variables entered.

b. Dependent Variable: potensi_insektisida2

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.802 ^a	.644	.640	19.13664

a. Predictors: (Constant), waktu_2, konsentrasi2

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	116539.015	2	58269.507	159.115	.000 ^a
	Residual	64453.164	176	366.211		
	Total	180992.179	178			

a. Predictors: (Constant), waktu_2, konsentrasi2

b. Dependent Variable: potensi_insektisida2

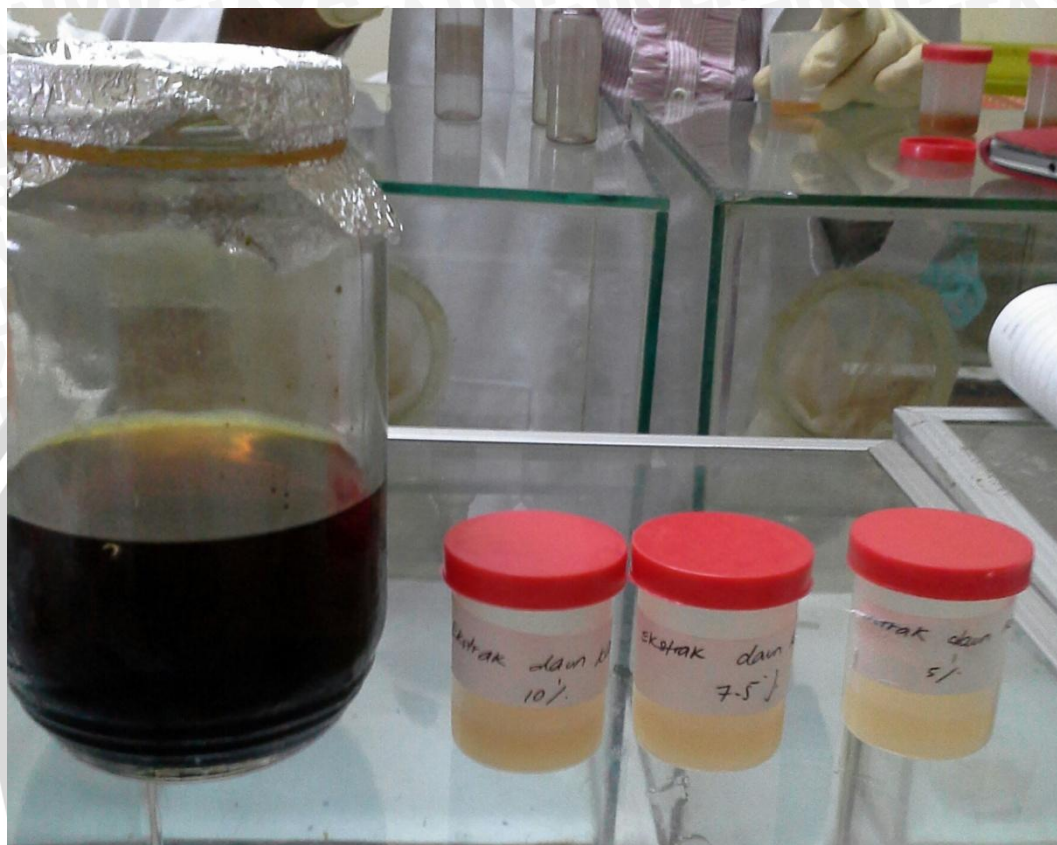
Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-8.283	2.597		-3.190	.002
	konsentrasi2	5.007	.406	.555	12.342	.000
	waktu_2	.042	.003	.582	12.930	.000

a. Dependent Variable: potensi_insektisida2

Lampiran 2

Gambar 1 Ekstrak dan bahan yang Digunakan



Gambar 2 Penyiapan Larutan Uji



Gambar 3 : Kandang sedang disemprot



Gambar 4 : Eksperimen sedang dijalankan



Lampiran 3

UJI POTENSI EKSTRAK DAUN KARI (*Murraya koenigii*) SEBAGAI INSEKTISIDA TERHADAP LALAT *Musca domestica*.

Jumlah Lalat (*Musca domestica*) yang Mati Pada Tiap-Tiap Pengulangan.

Pengulangan 1

Konsentrasi	Menit 10	Menit 20	Menit 30	Menit 40	Menit 50	Menit 60	Jam 6	Jam 24
2.5%	0	0	0	1	1	1	3	5
5%	0	0	1	2	3	3	6	10
7.5%	1	3	3	4	4	5	5	10
10%	3	4	4	5	6	7	10	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positif	8	10	10	10	10	10	10	10

Pengulangan 2

Konsentrasi	Menit 10	Menit 20	Menit 30	Menit 40	Menit 50	Menit 60	Jam 6	Jam 24
2.5%	0	0	0	1	1	1	3	5
5%	0	0	1	2	3	4	6	10
7.5%	0	2	3	4	5	7	9	10
10%	0	1	1	4	5	5	7	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positif	0	9	10	10	10	10	10	10

Pengulangan 3

Konsentrasi	Menit 10	Menit 20	Menit 30	Menit 40	Menit 50	Menit 60	Jam 6	Jam 24
2.5%	0	0	0	1	1	1	3	5
5%	0	0	1	2	2	3	6	10
7.5%	0	1	2	3	5	6	9	10
10%	0	1	2	4	4	5	7	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positif	0	8	10	10	10	10	10	10

Pengulangan 4

Konsentrasi	Menit 10	Menit 20	Menit 30	Menit 40	Menit 50	Menit 60	Jam 6	Jam 24
2.5%	0	0	0	1	1	1	3	
5%	0	0	1	2	2	3	6	10
7.5%	0	1	2	2	4	4	7	10
10%	1	3	4	5	5	6	9	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positif	0	8	9	10	10	10	10	10

