

LAMPIRAN

Lampiran 1 : Descriptive Statistics

Dependent Variable:potensi_insektisida

Konsentr		Mean	Std. Deviation	N
asi	waktu			
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
K+	0	.00	.000	4
	10	82.50	5.000	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		86.94	31.697
40%	0	.00	.000	4
	10	50.00	.000	4
	20	57.50	5.000	4
	30	62.50	5.000	4



	40	70.00	.000	4
	50	77.50	5.000	4
	60	90.00	8.165	4
	360	100.00	.000	4
	1440	100.00	.000	4
	Total	67.50	29.893	36
50%	0	.00	.000	4
	10	55.00	5.774	4
	20	62.50	5.000	4
	30	70.00	8.165	4
	40	80.00	.000	4
	50	87.50	5.000	4
	60	97.50	5.000	4
	360	100.00	.000	4
	1440	100.00	.000	4
	Total	72.50	30.648	36
60%	0	.00	.000	4
	10	60.00	.000	4
	20	67.50	5.000	4
	30	75.00	5.774	4
	40	85.00	5.774	4
	50	95.00	5.774	4
	60	100.00	.000	4
	360	100.00	.000	4
	1440	100.00	.000	4
	Total	75.83	30.926	36
Total	0	.00	.000	20
	10	49.50	27.999	20
	20	57.50	33.384	20
	30	61.50	34.378	20
	40	67.00	35.851	20



50	72.00	37.920	20
60	77.50	40.115	20
360	80.00	41.039	20
1440	80.00	41.039	20
Total	60.56	41.288	180

Uji Normalitas Kolmogorov Smirnov

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		potensi_insektisida
N		180
Normal Parameters ^a	Mean	60.56
	Std. Deviation	41.288
Most Extreme Differences	Absolute	.218
	Positive	.218
	Negative	-.181
Kolmogorov-Smirnov Z		2.920
Asymp. Sig. (2-tailed)		.114

a. Test distribution is Normal.

Uji Homogenitas

F	df1	df2	Sig.
8.399	44	135	.067

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 meni

potensi_insektisida

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	39451.200	4	7362.800	1.572E3	.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	25328.000	4	7832.000	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	42219.200	4	6554.800	310.469	.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	15680.800	4	4356.200	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	12076.800	4	3359.200	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	13480.800	4	3785.200	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	7196.800	4	1249.200	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	16580.800	4	5395.200	316.962	.000
Within Groups	208.000	15	13.867		
Total	17788.800	19			

Post Hoc Tests

konsentrasi

Multiple Comparisons

potensi_insektisida

Tukey HSD

(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K-	K+	-86.94*	.759	.000	-89.04	-84.85
	40%	-67.50*	.759	.000	-69.60	-65.40
	50%	-72.50*	.759	.000	-74.60	-70.40
	60%	-75.83*	.759	.000	-77.93	-73.73
K+	K-	86.94*	.759	.000	84.85	89.04
	40%	19.44*	.759	.000	17.35	21.54
	50%	14.44*	.759	.000	12.35	16.54
	60%	11.11*	.759	.000	9.01	13.21
40%	K-	67.50*	.759	.000	65.40	69.60
	K+	-19.44*	.759	.000	-21.54	-17.35
	50%	-5.00*	.759	.000	-7.10	-2.90
	60%	-8.33*	.759	.000	-10.43	-6.23
50%	K-	72.50*	.759	.000	70.40	74.60
	K+	-14.44*	.759	.000	-16.54	-12.35
	40%	5.00*	.759	.000	2.90	7.10

	60%		-3.33*	.759	.000	-5.43	-1.23
60%	K-		75.83	.759	.000	73.73	77.93
	K+		-11.11*	.759	.000	-13.21	-9.01
	40%		8.33*	.759	.000	6.23	10.43
	50%		3.33*	.759	.000	1.23	5.43

Based on observed means.

The error term is Mean Square(Error) = 10.370.

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

Homogeneous Subsets

potensi_insektisida

Tukey HSD

konsentrasi	N	Subset				
		1	2	3	4	5
K-	36	.00				
40%	36		67.50			
50%	36			72.50		
60%	36				75.83	
K+	36					86.94
Sig.		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) = 10.370.

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	-49.50*	1.018	.000	-52.71	-46.29
	20	-57.50*	1.018	.000	-60.71	-54.29
	30	-61.50*	1.018	.000	-64.71	-58.29
	40	-67.00*	1.018	.000	-70.21	-63.79
	50	-72.00*	1.018	.000	-75.21	-68.79
	60	-77.50*	1.018	.000	-80.71	-74.29
	360	-80.00*	1.018	.000	-83.21	-76.79
	1440	-80.00*	1.018	.000	-83.21	-76.79
10	0	49.50*	1.018	.000	46.29	52.71
	20	-8.00*	1.018	.000	-11.21	-4.79
	30	-12.00*	1.018	.000	-15.21	-8.79
	40	-17.50*	1.018	.000	-20.71	-14.29
	50	-22.50*	1.018	.000	-25.71	-19.29
	60	-28.00*	1.018	.000	-31.21	-24.79
	360	-30.50*	1.018	.000	-33.71	-27.29
	1440	-30.50*	1.018	.000	-33.71	-27.29
20	0	57.50*	1.018	.000	54.29	60.71
	10	8.00*	1.018	.000	4.79	11.21
	30	-4.00*	1.018	.004	-7.21	-7.79
	40	-9.50*	1.018	.000	-12.71	-6.29
	50	-14.50*	1.018	.000	-17.71	-11.29
	60	-20.00*	1.018	.000	-23.21	-16.79
	360	-22.50*	1.018	.000	-25.71	-19.29
	1440	-22.50*	1.018	.000	-25.71	-19.29

30	0	61.50	1.018	.000	58.29	64.71
	10	12.00	1.018	.000	8.79	15.21
	20	4.00	1.018	.004	.79	7.21
	40	-5.50	1.018	.000	-8.71	-2.29
	50	-10.50	1.018	.000	-13.71	-7.29
	60	-16.00	1.018	.000	-19.21	-12.79
	360	-18.50	1.018	.000	-21.71	-15.29
	1440	-18.50	1.018	.000	-21.71	-15.29
40	0	67.00	1.018	.000	63.79	70.21
	10	17.50	1.018	.000	14.29	20.71
	20	9.50	1.018	.000	6.29	12.71
	30	5.50	1.018	.000	2.29	8.71
	50	-5.00	1.018	.000	-8.21	-1.79
	60	-10.50	1.018	.000	-13.71	-7.29
	360	-13.00	1.018	.000	-16.21	-9.79
	1440	-13.00	1.018	.000	-16.21	-9.79
50	0	72.00	1.018	.000	68.79	75.21
	10	22.50	1.018	.000	19.29	25.71
	20	14.50	1.018	.000	11.29	17.71
	30	10.50	1.018	.000	7.29	13.71
	40	5.00	1.018	.000	1.79	8.21
	60	-5.50	1.018	.000	-8.71	-2.29
	360	-8.00	1.018	.000	-11.21	-4.79
	1440	-8.00	1.018	.000	-11.21	-4.79
60	0	77.50	1.018	.000	74.29	80.71
	10	28.00	1.018	.000	24.79	31.21
	20	20.00	1.018	.000	16.79	23.21
	30	16.00	1.018	.000	12.79	19.21
	40	10.50	1.018	.000	7.29	13.71
	50	5.50	1.018	.000	2.29	8.71
	360	-2.50	1.018	.264	-5.71	.71



	1440		-2.50	1.018	.264	-5.71	.71
360	0		80.00*	1.018	.000	76.79	83.21
	10		30.50*	1.018	.000	27.29	33.71
	20		22.50*	1.018	.000	19.29	25.71
	30		18.50*	1.018	.000	15.29	21.71
	40		13.00*	1.018	.000	9.79	16.21
	50		8.00*	1.018	.000	4.79	11.21
	60		2.50	1.018	.264	-.71	5.71
	1440		.00	1.018	1.000	-3.21	3.21
1440	0		80.00*	1.018	.000	76.79	83.21
	10		30.50*	1.018	.000	27.29	33.71
	20		22.50*	1.018	.000	19.29	25.71
	30		18.50*	1.018	.000	15.29	21.71
	40		13.00*	1.018	.000	9.79	16.21
	50		8.00*	1.018	.000	4.79	11.21
	60		2.50	1.018	.264	-.71	5.71
	360		.00	1.018	1.000	-3.21	3.21

Based on observed means.

The error term is Mean Square(Error) = 10.370.

*. 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
0	20	.00						
10	20		49.50					
20	20			57.50				
30	20				61.50			
40	20					67.00		
50	20						72.00	
60	20							77.50
360	20							80.00
1440	20							80.00
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	.264

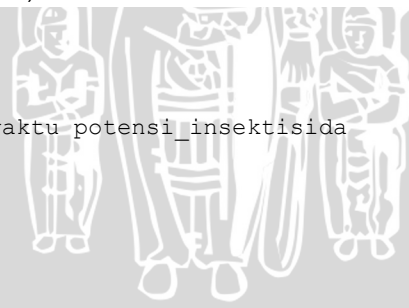
Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 10.370.

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CORRELATIONS
/VARIABLES=konsentrasi waktu potensi_insektisida
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.
    
```



Uji Korelasi Pearson

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Correlations				
		konsentrasi	waktu	potensi_insektisida
konsentrasi	Pearson Correlation	1	.000	.752**
	Sig. (2-tailed)		1.000	.000
	N	180	180	180
Waktu	Pearson Correlation	.000	1	.524**
	Sig. (2-tailed)	1.000		.003
	N	180	180	180
potensi_insektisida	Pearson Correlation	.752**	.524**	1
	Sig. (2-tailed)	.000	.003	
	N	180	180	180

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

Uji Regresi Linier

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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	.787 ^a	.619	.614	25.39412

a. Predictors: (Constant), waktu_2, konsentrasi2

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	147718.287	2	73859.143	114.535	.000 ^a
	Residual	90925.463	141	644.861		
	Total	238643.750	143			

a. Predictors: (Constant), waktu_2, konsentrasi2

b. Dependent Variable: potensi_insektisida2

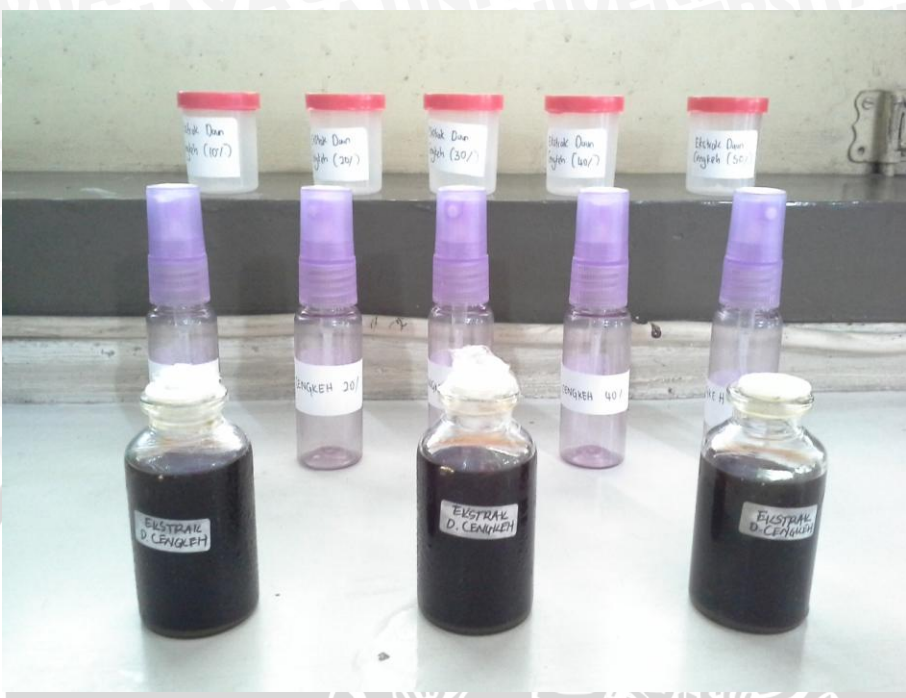
Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-1.193	4.214		-.283	.777
	konsentrasi2	1.340	.093	.750	14.426	.000
	waktu_2	.022	.005	.238	4.578	.000

a. Dependent Variable: potensi_insektisida2

Lampiran 2

Gambar 1 : Alat dan bahan eksperimen.



Gambar 2 : Penyiapan Larutan Uji



Gambar 3 : Konsentrasi Ekstrak Daun cengkeh siap untuk disemprot.



Gambar 4 : Lalat yang ditangkap



Gambar 5 : Kandang sedang disemprot.



Gambar 6 : Eksperimen dijalankan



Lampiran 3

UJI POTENSI EKSTRAK DAUN CENGKEH (*Syzygium aromaticum*)
SEBAGAI INSEKTISIDA TERHADAP LALAT *Musca domestica* Dengan Metode Semprot

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
40%	5	5	6	7	8	10	10	10
50%	5	6	6	8	8	10	10	10
60%	6	6	7	8	10	10	10	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positive	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
40%	5	6	7	7	8	9	10	10
50%	6	7	8	8	9	10	10	10
60%	6	7	8	9	9	10	10	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positive	9	10	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
40%	5	6	6	7	8	9	10	10
50%	5	6	7	8	9	9	10	10
60%	6	7	7	8	9	10	10	10
Kontrol negatif	0	0	0	0	0	0	0	10
Kontrol positive	8	10	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
40%	5	6	6	7	7	8	10	10
50%	6	6	7	8	9	10	10	10
60%	6	7	8	9	10	10	10	10
Kontrol negatif	0	0	0	0	0	0	0	0
Kontrol positive	8	10	10	10	10	10	10	10

