

## Lampiran 01

Tabel Data Mortalitas Hama Ulat Bawang (*Spodoptera exigua* Hubner) Setiap Konsentrasi

Tabel 01 Konsentrasi 0% Ekstrak Daun Pegagan

Konsentrasi	Ulangan	Jumlah Larva Uji	Mortalitas Larva			Total	Persentase mortalitas %
			1 HSA	2 HAS	3 HSA		
0%	1	5	0	0	0	0	0
	2	5	0	0	1	1	20
	3	5	0	0	0	0	0
	4	5	0	0	0	0	0
	5	5	0	0	0	0	0
Rerata							4

Tabel 02 Konsentrasi 5% Ekstrak Daun Pegagan

Konsentrasi	Ulangan	Jumlah Larva Uji	Mortalitas Larva			Total	Persentase mortalitas %
			1 HSA	2 HSA	3 HSA		
5%	1	5	0	0	1	1	20
	2	5	0	0	0	0	0
	3	5	0	1	0	1	20
	4	5	0	0	1	1	20
	5	5	0	0	0	0	0
Rerata							12

Tabel 03 Konsentrasi 10% Ekstrak Daun Pegagan

Konsentrasi	Ulangan	Jumlah Larva Uji	Mortalitas Larva			Total	Persentase mortalitas %
			1 HSA	2 HSA	3 HSA		
10%	1	5	0	1	1	2	40
	2	5	0	0	1	1	20
	3	5	0	1	1	2	40
	4	5	0	0	1	1	20
	5	5	0	1	1	2	40
Rerata							32

Tabel 04 Konsentrasi 15% Ekstrak Daun Pegagan

Konsentrasi	Ulangan	Jumlah Larva Uji	Mortalitas Larva			Total	Persentase mortalitas %
			1 HSA	2 HSA	3 HSA		
15%	1	5	0	1	1	2	40
	2	5	0	1	1	2	40
	3	5	1	1	1	3	60
	4	5	0	0	2	2	40
	5	5	0	1	1	2	40
Rerata							44

Tabel 05 Konsentrasi 20% Ekstrak Daun Pegagan

Konsentrasi	Ulangan	Jumlah Larva Uji	Mortalitas Larva			Total	Persentase mortalitas %
			1 HSA	2 HSA	3 HSA		
20%	1	5	0	2	1	3	60
	2	5	1	1	1	3	60
	3	5	0	1	2	3	60
	4	5	0	1	1	2	40
	5	5	0	2	2	4	80
Rerata							60

Tabel 06 Konsentrasi 25% Ekstrak Daun Pegagan

Konsentrasi	Ulangan	Jumlah Larva Uji	Mortalitas Larva			Total	Persentase mortalitas %
			1 HSA	2 HSA	3 HSA		
25%	1	5	1	2	2	5	100
	2	5	0	2	2	4	80
	3	5	0	2	1	3	60
	4	5	1	1	2	4	80
	5	5	0	1	2	3	60
Rerata							76

## Lampiran 02

### Tabel Hasil Statistik

Tabel 01 Hasil Analisis Deskriptif Persentase Mortalitas Hama Ulat Bawang  
(*Spodoptera exigua* Hubner)

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
A	5	.0	20.0	4.000	8.9443
B	5	.0	20.0	12.000	10.9545
C	5	20.0	40.0	32.000	10.9545
D	5	40.0	60.0	44.000	8.9443
E	5	40.0	80.0	60.000	14.1421
F	5	60.0	100.0	76.000	16.7332
Valid N (listwise)	5				

Tabel 02 Hasil Uji Normalitas Persentase Mortalitas Hama Ulat Bawang  
(*Spodoptera exigua* Hubner)

Tests of Normality							
	Konsentrasi	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	Df	Sig.
Mortalitas larva	Konsentrasi 0%	.473	5	.001	.552	5	.000
	Konsentrasi 5%	.367	5	.026	.684	5	.006
	Konsentrasi 10%	.367	5	.026	.684	5	.006
	Konsentrasi 15%	.473	5	.001	.552	5	.000
	Konsentrasi 20%	.300	5	.161	.883	5	.325
	Konsentrasi 25%	.231	5	.200*	.881	5	.314

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

a. Lilliefors Significance Correction

Tabel 03 Hasil Uji Homogenitas Persentase Mortalitas Hama Ulat Bawang  
(*Spodoptera exigua* Hubner)

		Levene	df1	df2	Sig.
		Statistic			
Mortalitas larva	Based on Mean	.673	5	24	.648
	Based on Median	.425	5	24	.827
	Based on Median and with adjusted df	.425	5	23.273	.827
	Based on trimmed mean	.742	5	24	.600

Tabel 04 Hasil Uji Hipotesis Persentase Mortalitas Hama Ulat Bawang  
(*Spodoptera exigua* Hubner)

Ranks			
	Konsentrasi	N	Mean Rank
Mortalitas larva	Konsentrasi 0%	5	4.70
	Konsentrasi 5%	5	7.10
	Konsentrasi 10%	5	13.70
	Konsentrasi 15%	5	17.90
	Konsentrasi 20%	5	23.00
	Konsentrasi 25%	5	26.60
	Total		30

Test Statistics <sup>a,b</sup>	
	Mortalitas larva
Chi-Square	25.323
Df	5
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable:

Konsentrasi

Tabel 05 Hasil Uji Lanjut *Mann-Whitney* Persentase Mortalitas Hama Ulat Bawang (*Spodoptera exigua* Hubner)

Ranks				
	Konsentrasi	N	Mean Rank	Sum of Ranks
Mortalitas larva	Konsentrasi 0%	5	4.50	22.50
	Konsentrasi 5%	5	6.50	32.50
	Total	10		

Test Statistics <sup>a</sup>	
	Mortalitas larva
Mann-Whitney U	7.500
Wilcoxon W	22.500
Z	-1.225
Asymp. Sig. (2-tailed)	.221
Exact Sig. [2*(1-tailed Sig.)]	.310 <sup>b</sup>

a. Grouping Variable: Konsentrasi

b. Not corrected for ties.

Ranks				
	Konsentrasi	N	Mean Rank	Sum of Ranks
Mortalitas larva	Konsentrasi 0%	5	3.20	16.00
	Konsentrasi 10%	5	7.80	39.00
	Total	10		

Test Statistics <sup>a</sup>	
	Mortalitas larva
Mann-Whitney U	1.000
Wilcoxon W	16.000
Z	-2.545
Asymp. Sig. (2-tailed)	.011
Exact Sig. [2*(1-tailed Sig.)]	.016 <sup>b</sup>

a. Grouping Variable: Konsentrasi

b. Not corrected for ties.

**Ranks**

	Konsentrasi	N	Mean Rank	Sum of Ranks
Mortalitas larva	Konsentrasi 0%	5	3.00	15.00
	Konsentrasi 15%	5	8.00	40.00
	Total	10		

**Test Statistics<sup>a</sup>**

	Mortalitas larva
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.785
Asymp. Sig. (2-tailed)	.005
Exact Sig. [2*(1-tailed Sig.)]	.008 <sup>b</sup>

a. Grouping Variable: Konsentrasi

b. Not corrected for ties.

**Ranks**

	Konsentrasi	N	Mean Rank	Sum of Ranks
Mortalitas larva	Konsentrasi 0%	5	3.00	15.00
	Konsentrasi 20%	5	8.00	40.00
	Total	10		

**Test Statistics<sup>a</sup>**

	Mortalitas larva
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.730
Asymp. Sig. (2-tailed)	.006
Exact Sig. [2*(1-tailed Sig.)]	.008 <sup>b</sup>

a. Grouping Variable: Konsentrasi

b. Not corrected for ties.

**Ranks**

	Konsentrasi	N	Mean Rank	Sum of Ranks
Mortalitas larva	Konsentrasi 0%	5	3.00	15.00
	Konsentrasi 25%	5	8.00	40.00
	Total	10		

**Test Statistics<sup>a</sup>**

	Mortalitas larva
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.712
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.008 <sup>b</sup>

a. Grouping Variable: Konsentrasi

b. Not corrected for ties.





**Lampiran 03**

## Dokumentasi Penelitian



Gambar 1 Pengambilan Daun Pegagan



Gambar 2 Pengeringan Daun Pegagan



Gambar 3 Tahap Maserasi



Gambar 4 Tahap Penyaringan

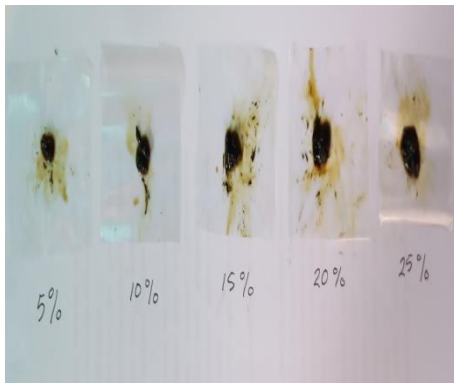


Gambar 5 Ekstrak Daun Pegagan



Gambar 6 Penimbangan Ekstrak





Gambar 7 Konsentrasi Setiap Ekstrak



Gambar 8 Pengenceran Ekstrak



Gambar 9 Tahap *Rearing* Larva



Gambar 10 Fase Pupa



Gambar 11 Bibit Bawang Merah



Gambar 12 Persiapan Media Tanam



Gambar 13 Perawatan Tanaman Bawang Merah



Gambar 14 Pemberian Label



Gambar 15 Aplikasi Ekstrak Daun Pegagan



Gambar 16 Investasi Larva

