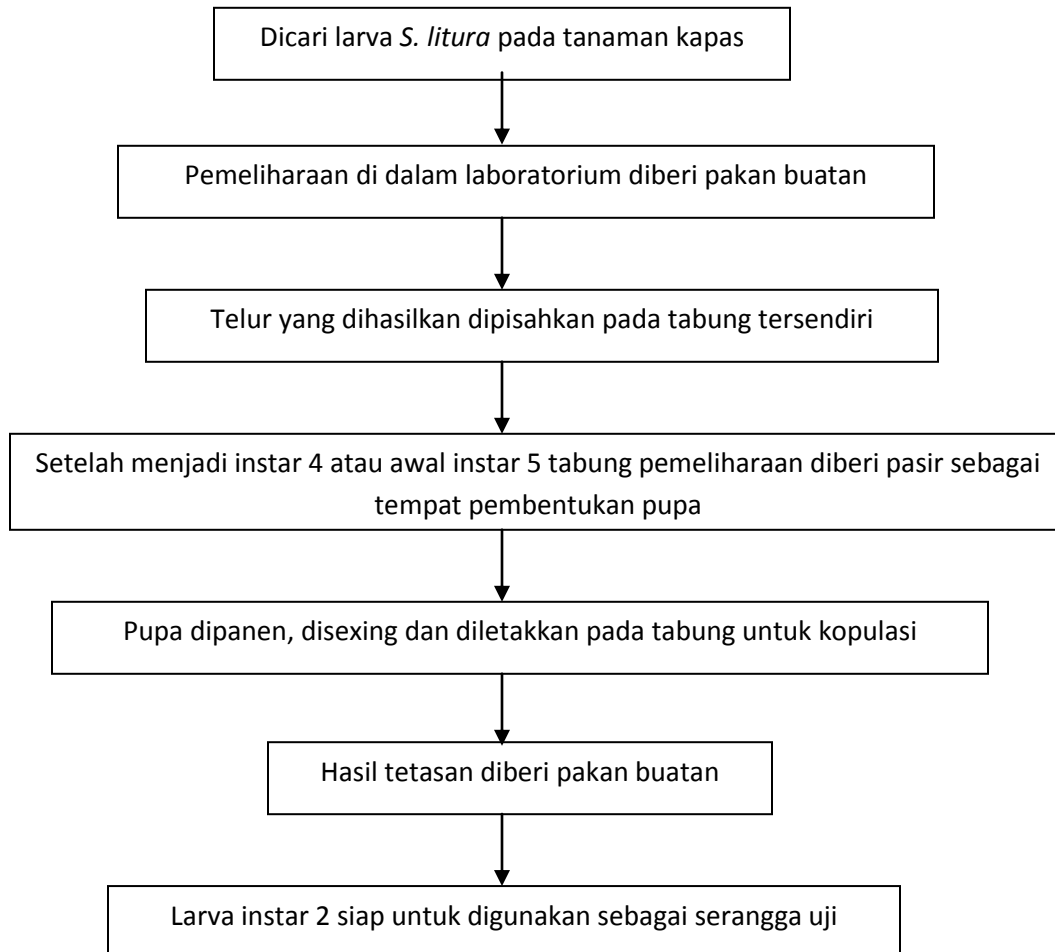


Lampiran 1. Diagram Kegiatan Penelitian

a. Rearing larva *Spodoptera litura*



Lampiran 2. Data Hasil Penelitian Mortalitas Larva *S. litura*

A. Persentase (%) Mortalitas Larva *S. litura* Pada Aksesori IP 2M

Perlakuan Konsentrasi	Waktu (Jam)	Ulangan			Σ	Rerata
		I	II	III		
Kontrol 1 (air)	24	0	0	0	0	0
	48	0	0	0	0	0
	72	0	0	0	0	0
	96	2	0	0	2	0.6
	120	2	2	0	4	1.3
Kontrol 2 (air+detergen)	24	0	0	0	0	0
	48	0	0	0	0	0
	72	0	2	0	2	0.6
	96	0	2	0	2	0.6
	120	0	2	2	4	1.3
5 ml MJP + detergen	24	0	0	0	0	0
	48	0	0	0	0	0
	72	4	4	2	10	3.3
	96	10	8	8	26	8.6
	120	20	14	10	44	14.6
10 ml MJP + detergen	24	0	0	0	0	0
	48	0	4	2	6	2
	72	2	10	4	16	5.3
	96	6	18	10	34	11.3
	120	22	30	20	72	24
20 ml MJP + detergen	24	0	0	0	0	0
	48	4	4	4	12	4

	72	10	10	8	28	9.3
	96	18	20	14	52	17.3
	120	34	32	24	90	30
40 ml MJP + detergen	24	6	4	2	12	4
	48	14	10	14	38	12.6
	72	24	32	28	84	28
	96	40	50	44	134	44.6
	120	64	58	70	192	64
80 ml MJP + detergen	24	10	8	10	28	9.3
	48	20	24	26	70	23.3
	72	26	36	40	102	34
	96	54	68	62	184	61.3
	120	78	80	82	240	80

B. Mortalitas Larva *S. litura* Pada Aksesori IP 2M (Dalam Transformasi Arc Sin)

Perlakuan Konsentrasi	Waktu (Jam)	Ulangan			Σ	Rerata
		I	II	III		
Kontrol 1 (air)	24	0.40	0.40	0.40	1.20	0.40
	48	0.40	0.40	0.40	1.20	0.40
	72	0.40	0.40	0.40	1.20	0.40
	96	8.13	0.40	0.40	8.93	2.97
	120	8.13	8.13	0.40	16.66	5.55
Kontrol 2 (air+detergen)	24	0.40	0.40	0.40	1.20	0.40
	48	0.40	0.40	0.40	1.20	0.40
	72	0.40	8.13	0.40	8.93	2.97
	96	0.40	8.13	0.40	8.93	2.97

	120	0.40	8.13	8.13	16.66	5.55
5 ml MJP + detergen	24	0.40	0.40	0.40	1.20	0.40
	48	0.40	0.40	0.40	1.20	0.40
	72	11.54	11.54	8.13	31.21	10.40
	96	18.44	16.43	16.43	51.30	17.10
	120	26.56	21.97	18.44	66.97	22.32
10 ml MJP + detergen	24	0.40	0.40	0.40	1.20	0.40
	48	0.40	11.54	8.13	20.07	6.69
	72	8.13	18.44	11.54	38.11	12.70
	96	14.18	25.10	18.44	57.72	19.24
	120	27.97	33.21	26.56	87.74	29.24
20 ml MJP + detergen	24	0.40	0.40	0.40	1.20	0.40
	48	11.54	11.54	11.54	34.62	11.54
	72	18.44	18.44	16.43	53.31	17.77
	96	25.10	26.56	21.97	73.63	24.54
	120	35.67	34.45	29.33	99.45	33.15
40 ml MJP + detergen	24	14.18	11.54	8.13	33.85	11.28
	48	21.97	18.44	21.97	62.38	20.79
	72	29.33	34.45	31.95	95.73	31.91
	96	39.23	45.00	41.55	125.78	41.92
	120	53.13	49.60	56.79	159.52	53.17
80 ml MJP + detergen	24	18.44	16.43	18.44	53.31	17.77
	48	26.56	29.33	30.66	86.55	28.85
	72	30.66	36.87	39.23	106.76	35.58
	96	47.29	55.55	51.94	154.78	51.59

	120	62.03	63.44	64.90	190.37	63.45
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C. Persentase (%) Mortalitas Larva *S. litura* Pada Aksesori IP 2A

Perlakuan Konsentrasi	Waktu (Jam)	Ulangan			Σ	Rerata
		I	II	III		
Kontrol 1 (air)	24	0	0	0	0	0
	48	0	0	0	0	0
	72	0	0	0	0	0
	96	2	0	0	2	0.6
	120	2	2	0	4	1.3
Kontrol 2 (air+detergen)	24	0	0	0	0	0
	48	0	0	0	0	0
	72	0	2	0	2	0.6
	96	0	2	0	2	0.6
	120	0	2	2	4	1.3
5 ml MJP + detergen	24	0	0	0	0	0
	48	4	2	0	10	3.3
	72	8	8	8	24	8
	96	16	18	14	48	16
	120	26	32	24	82	27.3
10 ml MJP + detergen	24	0	0	0	0	0
	48	4	2	0	12	4
	72	8	8	12	28	9.3
	96	12	16	20	48	16
	120	22	30	32	84	28

20 ml MJP + detergen	24	0	2	4	6	2
	48	2	6	4	20	6.6
	72	8	14	18	40	13.3
	96	18	24	30	72	24
	120	40	42	46	128	42.6
40 ml MJP + detergen	24	8	4	6	18	6
	48	14	12	6	54	18
	72	28	20	22	70	23.3
	96	46	34	40	120	40
	120	70	62	66	198	66
80 ml MJP + detergen	24	8	10	10	28	9.3
	48	18	10	16	90	30
	72	34	40	44	118	39.3
	96	54	64	60	178	59.3
	120	86	90	84	260	86.6

D. Mortalitas Larva *S. litura* Pada Aksesori IP 2A (Dalam Transformasi Arc Sin)

Perlakuan Konsentrasi	Waktu (Jam)	Ulangan			Σ	Rerata
		I	II	III		
Kontrol 1 (air)	24	0.40	0.40	0.40	1.20	0.40
	48	0.40	0.40	0.40	1.20	0.40
	72	0.40	0.40	0.40	1.20	0.40
	96	8.13	0.40	0.40	8.93	2.97

	120	8.13	8.13	0.40	16.66	5.55
Kontrol 2 (air+detergen)	24	0.40	0.40	0.40	1.20	0.40
	48	0.40	0.40	0.40	1.20	0.40
	72	0.40	8.13	0.40	8.93	2.97
	96	0.40	8.13	0.40	8.93	2.97
	120	0.40	8.13	8.13	16.66	5.55
5 ml MJP + detergen	24	0.40	0.40	0.40	1.20	0.40
	48	11.54	8.13	0.40	20.07	6.69
	72	16.43	16.43	16.43	49.29	16.43
	96	23.58	25.10	21.97	70.65	23.55
	120	30.66	34.45	29.33	94.44	31.48
10 ml MJP + detergen	24	0.40	0.40	0.40	1.20	0.40
	48	11.54	8.13	0.40	20.07	6.69
	72	16.43	16.43	20.27	53.13	17.71
	96	20.27	23.58	26.56	70.41	23.47
	120	27.97	33.21	34.45	95.63	31.87
20 ml MJP + detergen	24	0.40	8.13	11.54	20.07	6.69
	48	8.13	14.18	11.54	33.85	11.28
	72	16.43	21.97	25.10	63.50	21.16
	96	25.10	29.33	33.21	87.64	29.21
	120	39.23	40.40	42.71	122.34	40.78
40 ml MJP + detergen	24	16.43	11.54	14.18	42.15	14.05
	48	21.97	20.27	14.18	56.42	18.77
	72	31.95	26.56	27.97	86.48	28.82
	96	42.71	35.67	39.23	117.61	39.20

	120	56.79	51.94	54.33	163.06	54.35
80 ml MJP + detergen	24	16.43	18.44	18.44	53.31	17.77
	48	25.10	18.44	23.58	67.12	22.37
	72	35.67	39.23	41.55	116.45	38.81
	96	47.29	53.13	50.77	151.19	50.39
	120	68.03	71.56	66.42	206.01	68.67

Lampiran 3. Data Berat Larva Pre Pupa dan Berat Pupa *S. litura*

A. Data Berat Larva Pre Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

Perlakuan konsentrasi	Ulangan			Σ	Rerata
	I	II	III		
Kontrol 1 (Air)	0,63	0,55	0,53	1,71	0,57
Kontrol 2 (Air+Detergen)	0,45	0,43	0,57	1,45	0,483
5 ml MJP+detergen	0,50	0,32	0,36	1,18	0,393
10 ml MJP+detergen	0,21	0,55	0,54	1,3	0,433
20 ml MJP+detergen	0,35	0,23	0,36	0,94	0,313
40 ml MJP+detergen	0,18	0,18	0,17	0,53	0,176
80 ml MJP+detergen	0,13	0,10	0,11	0,34	0,113

B. Data Berat Larva Pre Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

Perlakuan konsentrasi	Ulangan			Σ	Rerata
	I	II	III		
Kontrol 1 (Air)	0,63	0,55	0,53	1,71	0,57
Kontrol 2 (Air+Detergen)	0,45	0,43	0,57	1,45	0,483
5 ml MJP+detergen	0,26	0,38	0,48	1,12	0,373
10 ml MJP+detergen	0,55	0,45	0,40	1,4	0,466
20 ml MJP+detergen	0,52	0,35	0,35	1,22	0,406
40 ml MJP+detergen	0,27	0,20	0,16	0,63	0,21
80 ml MJP+detergen	0,18	0,05	0,06	0,29	0,096

C. Data Berat Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

Perlakuan konsentrasi	Ulangan			Σ	Rerata
	I	II	III		
Kontrol 1 (Air)	0,25	0,30	0,27	0,82	0,273
Kontrol 2 (Air+Detergen)	0,25	0,34	0,26	0,85	0,283
5 ml MJP+detergen	0,26	0,22	0,00	0,48	0,16
10 ml MJP+detergen	0,27	0,24	0,00	0,51	0,17
20 ml MJP+detergen	0,00	0,19	0,21	0,4	0,133
40 ml MJP+detergen	0,00	0,09	0,23	0,32	0,106
80 ml MJP+detergen	0,00	0,00	0,15	0,15	0,05

D. Data Berat Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

Perlakuan konsentrasi	Ulangan			Σ	Rerata
	I	II	III		
Kontrol 1 (Air)	0,25	0,30	0,27	0,82	0,273
Kontrol 2 (Air+Detergen)	0,25	0,34	0,26	0,85	0,283
5 ml MJP+detergen	0,24	0,22	0,20	0,42	0,14
10 ml MJP+detergen	0,23	0,23	0,26	0,72	0,24
20 ml MJP+detergen	0,15	0,21	0,00	0,36	0,12
40 ml MJP+detergen	0,00	0,11	0,00	0,11	0,036
80 ml MJP+detergen	0,00	0,00	0,00	0,00	0,00

Lampiran 4. Hasil penelitian jumlah telur dan prosentase telur tetas *S. litura*

A. Data Jumlah Telur dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

Perlakuan konsentrasi	Ulangan			Σ	Rerata
	I	II	III		
Kontrol 1 (Air)	114 3	119 8	873	321 4	1071,3 3
Kontrol 2 (Air+Detergen)	115 5	109 7	115 9	341 1	1137
5 ml MJP+detergen	0,00	921	0,00	921	307
10 ml MJP+detergen	0,00	0,00	63	63	21
20 ml MJP+detergen	0,00	0,00	49	49	16,33
40 ml MJP+detergen	0,00	0,00	0,00	0,00	0,00
80 ml MJP+detergen	0,00	0,00	0,00	0,00	0,00

B. Data Jumlah Telur dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

Perlakuan konsentrasi	Ulangan			Σ	Rerata
	I	II	III		
Kontrol 1 (Air)	114 3	119 8	873	321 4	1071,3 3
Kontrol 2 (Air+Detergen)	115 5	109 7	115 9	341 1	1137
5 ml MJP+detergen	0,00	733	943	167 6	558,67
10 ml MJP+detergen	502	576	0,00	107 8	359,33
20 ml MJP+detergen	87	0,00	0,00	87	29
40 ml MJP+detergen	0,00	0,00	0,00	0,00	0,00
80 ml MJP+detergen	0,00	0,00	0,00	0,00	0,00

C. Persentase Telur Tetas Akibat Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

Konsentrasi	Ulangan		
	I	II	III
KA (kontrol air)	80.05	82.22	79.83
KD (kontrol detergen)	80	79.94	79.98
5 ml MJP/1L air + 1gr detergen	0	76.65	0
10 ml MJP/1L air + 1gr detergen	0	0	38.09
20 ml MJP/1L air + 1gr detergen	0	0	26.53
40 ml MJP/1L air + 1gr detergen	0	0	0
80 ml MJP/1L air + 1gr detergen	0	0	0

D. Persentase Telur Tetas Akibat Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

Konsentrasi	Ulangan		
	I	II	III
KA (kontrol air)	80.05	82.22	79.83
KD (kontrol detergen)	80	79.94	79.98
5 ml MJP/1L air + 1gr detergen	0	72.44	78.36
10 ml MJP/1L air + 1gr detergen	59.96	58.85	0
20 ml MJP/1L air + 1gr detergen	39.08	0/	0
40 ml MJP/1L air + 1gr detergen	0	0	0
80 ml MJP/1L air + 1gr detergen	0	0	0

Lampiran 5. Analisis Data Menggunakan SPSS

A. Mortalitas Larva *S. litura* Akibat Pemberian Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

24 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	921.250 ^a	8	115.156	75.813	.000
Intercept	413.276	1	413.276	272.078	.000
perlakuan	918.384	6	153.064	100.769	.000
ulangan	2.866	2	1.433	.943	.416
Error	18.228	12	1.519		
Total	1352.753	21			
Corrected Total	939.477	20			

a. R Squared = ,981 (Adjusted R Squared = ,968)

LSD notation

data

Duncan

perlakuan	N	Subset		
		1	2	3
1	3	.4000		
2	3	.4000		
3	3	.4000		
4	3	.4000		
5	3	.4000		
6	3		11.2833	
7	3			17.7700
Sig.		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) = 1,519.

48 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2296.406 ^a	8	287.051	48.983	.000
Intercept	2044.768	1	2044.768	348.921	.000
perlakuan	2284.511	6	380.752	64.972	.000
ulangan	11.895	2	5.948	1.015	.392
Error	70.323	12	5.860		
Total	4411.497	21			
Corrected Total	2366.729	20			

a. R Squared = ,970 (Adjusted R Squared = ,950)

LSD notation

data

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
1	3	.4000				
2	3	.4000				
3	3	.4000				
4	3		6.6900			
5	3			11.5400		
6	3				20.7933	
7	3					28.8500
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) = 5,860.

72 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3349.643 ^a	8	418.705	53.875	.000
Intercept	5352.027	1	5352.027	688.651	.000
perlakuan	3285.142	6	547.524	70.451	.000
ulangan	64.500	2	32.250	4.150	.043
Error	93.261	12	7.772		
Total	8794.930	21			
Corrected Total	3442.904	20			

a. R Squared = ,973 (Adjusted R Squared = ,955)

LSD notation

data

Duncan

perla kuan	N	Subset			
		1	2	3	4
1	3	.4000			
2	3	2.9767			
3	3		10.4033		
4	3		12.7033		
5	3			17.7700	
6	3				31.9100
7	3				35.5867
Sig.		.280	.332	1.000	.132

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 7,772.

96 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	6147.575 ^a	8	768.447	63.890	.000
Intercept	11020.397	1	11020.397	916.259	.000
perlakuan	6086.807	6	1014.468	84.345	.000
ulangan	60.768	2	30.384	2.526	.121
Error	144.331	12	12.028		
Total	17312.303	21			
Corrected Total	6291.906	20			

a. R Squared = ,977 (Adjusted R Squared = ,962)

LSD notation

data

Duncan

perla kuan	N	Subset				
		1	2	3	4	5
1	3	2.9767				
2	3	2.9767				
3	3		17.1000			
4	3		19.2400	19.2400		
5	3			24.5433		
6	3				41.9267	
7	3					51.5933
Sig.		1.000	.464	.086	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 12,028.

120 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	8775.781 ^a	8	1096.973	75.319	.000
Intercept	19344.787	1	19344.787	1.328E3	.000
perlakuan	8760.570	6	1460.095	100.251	.000
ulangan	15.211	2	7.605	.522	.606
Error	174.773	12	14.564		
Total	28295.340	21			
Corrected Total	8950.554	20			

a. R Squared = ,980 (Adjusted R Squared = ,967)

LSD notation

data

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
1	3	5.5533				
2	3	5.5533				
3	3		22.3233			
4	3			29.2467		
5	3			33.1500		
6	3				53.1733	
7	3					63.4567
Sig.		1.000	1.000	.234	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 14,564.

B. Mortalitas Larva *S. litura* Akibat Pemberian Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

24 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	994.744 ^a	8	124.343	20.923	.000
Intercept	689.491	1	689.491	116.020	.000
perlakuan	986.224	6	164.371	27.659	.000
ulangan	8.521	2	4.260	.717	.508
Error	71.314	12	5.943		
Total	1755.550	21			
Corrected Total	1066.059	20			

a. R Squared = ,933 (Adjusted R Squared = ,889)

LSD notation

data

Duncan

perla kuan	N	Subset		
		1	2	3
1	3	.4000	6.6900	14.0500 17.7700
2	3	.4000		
3	3	.4000		
4	3	.4000		
5	3			
6	3			14.0500
7	3			17.7700
Sig.		1.000	1.000	.086

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 5,943.

48 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1369.844 ^a	8	171.231	13.924	.000
Intercept	1903.429	1	1903.429	154.781	.000
perlakuan	1310.779	6	218.463	17.765	.000
ulangan	59.065	2	29.533	2.402	.133
Error	147.571	12	12.298		
Total	3420.844	21			
Corrected Total	1517.415	20			

a. R Squared = ,903 (Adjusted R Squared = ,838)

LSD notation

data

Duncan

perla kuan	N	Subset		
		1	2	3
1	3	.4000	6.6900	18.8067 22.3733
2	3	.4000		
3	3	6.6900		
4	3	6.6900		
5	3			
6	3		11.2833	18.8067
7	3			22.3733
Sig.		.064	.152	.237

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 12,298.

72 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3312.257 ^a	8	414.032	47.386	.000
Intercept	6839.326	1	6839.326	782.768	.000
perlakuan	3295.717	6	549.286	62.866	.000
ulangan	16.540	2	8.270	.947	.415
Error	104.848	12	8.737		
Total	10256.431	21			
Corrected Total	3417.106	20			

a. R Squared = ,969 (Adjusted R Squared = ,949)

LSD notation

data

Duncan

perlakuan	N	Subset			
		1	2	3	4
1	3	.4000			
2	3	2.9767			
3	3		16.4300		
4	3		17.7100		
5	3		21.1667		
6	3			28.8267	
7	3				38.8167
Sig.		.307	.086	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8,737.

96 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5517.035 ^a	8	689.629	47.347	.000
Intercept	12647.425	1	12647.425	868.312	.000
perlakuan	5512.501	6	918.750	63.077	.000
ulangan	4.534	2	2.267	.156	.858
Error	174.786	12	14.566		
Total	18339.247	21			
Corrected Total	5691.822	20			

a. R Squared = ,969 (Adjusted R Squared = ,949)

LSD notation

data

Duncan

perla kuan	N	Subset			
		1	2	3	4
1	3	2.9767			
2	3	2.9767			
4	3		23.4700		
3	3		23.5500		
5	3		29.2133		
6	3			39.2033	
7	3				50.3967
Sig.		1.000	.104	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 14,566.

120 Jam Setelah Perlakuan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	9895.572 ^a	8	1236.947	115.725	.000
Intercept	24330.430	1	24330.430	2.276E3	.000
perlakuan	9874.530	6	1645.755	153.972	.000
ulangan	21.042	2	10.521	.984	.402
Error	128.264	12	10.689		
Total	34354.267	21			
Corrected Total	10023.836	20			

a. R Squared = ,987 (Adjusted R Squared = ,979)

LSD notation

data

Duncan

perla kuan	N	Subset				
		1	2	3	4	5
1	3	5.5533				
2	3	5.5533				
3	3		31.4800			
4	3		31.8767			
5	3			40.7800		
6	3				54.3533	
7	3					68.6700
Sig.		1.000	.884	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) = 10,689.

C. Interaksi Antara Aksesori dan Konsentrasi Insektisida Nabati Minyak Biji Jarak Pagar (*J. curcas*).
24 Jam setelah penyemprotan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1555.243 ^a	11	141.386	25.597	.000
Intercept	1451.717	1	1451.717	262.827	.000
ulangan	1.506	2	.753	.136	.873
aksesi	24.607	1	24.607	4.455	.049
konsentrasi	1482.909	4	370.727	67.119	.000
aksesi * konsentrasi	46.221	4	11.555	2.092	.124
Error	99.422	18	5.523		
Total	3106.383	30			
Corrected Total	1654.665	29			

a. R Squared = ,940 (Adjusted R Squared = ,903)

LSD notation

data

Duncan

perlakuan	N	Subset			
		1	2	3	4
1	3	.4000	6.6900	11.2833	14.0500
2	3	.4000			
3	3	.4000			
6	3	.4000			
7	3	.4000			
8	3		11.2833	14.0500	17.7700
4	3				
9	3				
5	3				
10	3				
Sig.		1.000	1.000	.167	.082

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 5.523.

48 Jam Setelah Penyemprotan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2164.671 ^a	11	196.788	13.140	.000
Intercept	5396.184	1	5396.184	360.324	.000
ulangan	19.288	2	9.644	.644	.537
aksesi	1.771	1	1.771	.118	.735
konsentrasi	2017.096	4	504.274	33.672	.000
aksesi * konsentrasi	126.515	4	31.629	2.112	.121
Error	269.566	18	14.976		
Total	7830.421	30			
Corrected Total	2434.237	29			

a. R Squared = ,889 (Adjusted R Squared = ,822)

LSD notation

data

Duncan

perlakuan	N	Subset			
		1	2	3	4
1	3	.4000			
2	3	6.6900	6.6900		
6	3	6.6900	6.6900		
7	3	6.6900	6.6900		
8	3		11.2833		
3	3		11.5400		
9	3			18.8067	
4	3			20.7933	
10	3			22.3733	22.3733
5	3				28.8500
Sig.		.083	.183	.300	.055

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 14,976.

72 Jam Setelah Penyemprotan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2705.017 ^a	11	245.911	27.768	.000
Intercept	16053.145	1	16053.145	1.813E3	.000
ulangan	40.074	2	20.037	2.263	.133
aksesi	63.744	1	63.744	7.198	.015
konsentrasi	2525.647	4	631.412	71.299	.000
aksesi * konsentrasi	75.553	4	18.888	2.133	.119
Error	159.406	18	8.856		
Total	18917.568	30			
Corrected Total	2864.423	29			

a. R Squared = ,944 (Adjusted R Squared = ,910)

LSD notation

data

Duncan		Subset					
perla kuan	N	1	2	3	4	5	6
1	3	10.4033					
2	3	12.7033	12.7033				
6	3		16.4300	16.4300			
7	3		17.7100	17.7100			
3	3		17.7700	17.7700			
8	3			21.1667			
9	3				28.8267		
4	3				31.9100	31.9100	
5	3					35.5867	35.5867
10	3						38.8167
Sig.		.356	.070	.089	.221	.148	.200

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8,856.

96 Jam Setelah Penyemprotan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4447.886 ^a	11	404.353	42.184	.000
Intercept	30765.457	1	30765.457	3.210E3	.000
ulangan	52.540	2	26.270	2.741	.091
aksesi	39.193	1	39.193	4.089	.058
konsentrasi	4260.117	4	1065.029	111.108	.000
aksesi * konsentrasi	96.036	4	24.009	2.505	.079
Error	172.539	18	9.586		
Total	35385.882	30			
Corrected Total	4620.426	29			

a. R Squared = ,963 (Adjusted R Squared = ,940)

LSD notation

data

Duncan		Subset				
perla kuan	N	1	2	3	4	5
1	3	17.1000				
2	3	19.2400	19.2400			
7	3		23.4700	23.4700		
6	3		23.5500	23.5500		
3	3		24.5433	24.5433		
8	3			29.2133		
9	3				39.2033	
4	3				41.9267	
10	3					50.3967
5	3					51.5933
Sig.		.444	.089	.067	.332	.667

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 11,254.

120 Jam Setelah Penyemprotan

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	6860.047 ^a	11	623.641	64.552	.000
Intercept	55086.246	1	55086.246	5.702E3	.000
ulangan	6.050	2	3.025	.313	.735
aksesi	199.847	1	199.847	20.686	.000
konsentrasi	6587.672	4	1646.918	170.470	.000
aksesi * konsentrasi	66.478	4	16.619	1.720	.189
Error	173.899	18	9.661		
Total	62120.191	30			
Corrected Total	7033.945	29			

a. R Squared = ,975 (Adjusted R Squared = ,960)

LSD notation

data

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
1	3	22.3233				
2	3		29.2467			
6	3		31.4800			
7	3		31.8767			
3	3		33.1500			
8	3			40.7800		
4	3				53.1733	
9	3				54.3533	
5	3					63.4567
10	3					68.6700
Sig.		1.000	.174	1.000	.648	.055

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 9,661.

D. Berat Larva Pre Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

One way

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.487	6	.081	9.401	.000
Within Groups	.121	14	.009		
Total	.608	20			

LSD notation

data

Duncan

perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
7	3	.1133			
6	3	.1767	.1767		
5	3		.3133	.3133	
3	3			.3933	
4	3			.4333	.4333
2	3			.4833	.4833
1	3				.5700
Sig.		.418	.093	.056	.108

Means for groups in homogeneous subsets are displayed.

E. Berat Larva Pre Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

One way

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.491	6	.082	12.894	.000
Within Groups	.089	14	.006		
Total	.580	20			

LSD notation

data

Duncan

perlakuan	N	Subset for alpha = 0.05		
		1	2	3
7	3	.0967		
6	3	.2100		
3	3		.3733	
5	3		.4067	
4	3		.4667	.4667
2	3		.4833	.4833
1	3			.5700
Sig.		.104	.140	.153

Means for groups in homogeneous subsets are displayed.

F. Berat Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

One way

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.111	6	.019	1.681	.198
Within Groups	.154	14	.011		
Total	.265	20			

LSD notation

data

Duncan

perlakuan	N	Subset for alpha = 0.05
		1
7	3	.0800
6	3	.1067
5	3	.1333
3	3	.1600
4	3	.1700
1	3	.2733
2	3	.2833
Sig.		.053

Means for groups in homogeneous subsets are displayed.

G. Berat Pupa dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A
One way

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.240	6	.040	14.370	.000
Within Groups	.039	14	.003		
Total	.279	20			

LSD notation

data

Duncan

perlakuan	N	Subset for alpha = 0.05		
		1	2	3
7	3	.0000		
6	3	.0367	.0367	
5	3		.1200	
3	3			.2200
4	3			.2400
1	3			.2733
2	3			.2833
Sig.		.409	.074	.196

Means for groups in homogeneous subsets are displayed.

H. Prosentase Telur Tetas dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2M

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	23744.390	6	3957.398	1.587E4	.000
Within Groups	3.492	14	.249		
Total	23747.882	20			

LSD notation

data

Duncan

perlakuan	N	Subset for alpha = 0.05				
		1	2	3	4	5
6	3	.0000				
7	3	.0000				
5	3		26.5300			
4	3			38.0000		
3	3				76.6500	
2	3					79.9733
1	3					80.7000
Sig.		1.000	1.000	1.000	1.000	.096

Means for groups in homogeneous subsets are displayed.

I. Prosentase Telur Tetas dengan Perlakuan Insektisida Nabati Minyak Biji Jarak Pagar Aksesori IP 2A

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	23041.806	6	3840.301	1.540E4	.000
Within Groups	3.492	14	.249		
Total	23045.298	20			

LSD notation

data

Duncan

perla kuan	N	Subset for alpha = 0.05				
		1	2	3	4	5
6	3	.0000				
7	3	.0000				
5	3		39.0000			
4	3			59.3600		
3	3				75.7700	
2	3					79.9733
1	3					80.7000
Sig.		1.000	1.000	1.000	1.000	.096

Means for groups in homogeneous subsets are displayed.

Lampiran 6. Hasil Analisis Probit

Probit Analysis: Mortalitas; Total versus Konsentrasi; Jam Akses IP 2M

Distribution: Normal

Response Information

Variable	Value	Count
MORTALIT	Success	640
	Failure	2860
TOTAL	Total	3500

Factor Information

Factor Levels Values

JAM 5 24 48 72 96 120

Estimation Method: Maximum Likelihood

Regression Table

Standard				
Variable	Coef	Error	Z	P
Constant	-2,5463	0,1015	-25,08	0,000
KONSENTR	0,24642	0,01428	17,26	0,000

JAM

48	0,26202	0,09752	2,69	0,007
72	0,50037	0,09395	5,33	0,000
96	0,75898	0,09148	8,30	0,000
120	0,98348	0,09017	10,91	0,000

Natural

Response 0,000

Test for equal slopes: Chi-Square = 18,9450; DF = 4; P-Value = 0,001

Log-Likelihood = -1419,449

Multiple degree of freedom test

Term	Chi-Square	DF	P
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JAM	157,415	4	0,000
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Goodness-of-Fit Tests

Method	Chi-Square	DF	P
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Pearson	45,004	29	0,029
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Deviance	37,237	29	0,140
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JAM = 24

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	10,3333	0,4305	9,4895	11,1770
Scale	4,0582	0,2352	3,6225	4,5463

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	0,8925	0,3778	0,09241	1,5868

2	1,9988	0,3417	1,2851	2,6355
3	2,7007	0,3233	2,0328	3,3099
4	3,2287	0,3123	2,5898	3,8228
5	3,6582	0,3053	3,0388	4,2439
6	4,0237	0,3009	3,4181	4,6054
7	4,3442	0,2981	3,7482	4,9246
8	4,6312	0,2967	4,0419	5,2124
9	4,8922	0,2961	4,3074	5,4758
10	5,1325	0,2963	4,5504	5,7196
20	6,9178	0,3175	6,3168	7,5705
30	8,2052	0,3514	7,5533	8,9423
40	9,3051	0,3894	8,5919	10,1325
50	10,3333	0,4305	9,5516	11,2559
60	11,3614	0,4755	10,5035	12,3871
70	12,4614	0,5269	11,5157	13,6036
80	13,7487	0,5901	12,6941	15,0335
90	15,5340	0,6815	14,3209	17,0240
91	15,7743	0,6941	14,5393	17,2924
92	16,0353	0,7078	14,7765	17,5841
93	16,3223	0,7229	15,0371	17,9049
94	16,6428	0,7399	15,3281	18,2634
95	17,0084	0,7594	15,6597	18,6724
96	17,4379	0,7824	16,0492	19,1532
97	17,9659	0,8108	16,5276	19,7445
98	18,6677	0,8488	17,1632	20,5311
99	19,7740	0,9091	18,1640	21,7717

JAM = 48

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	9,2699	0,3665	8,5516	9,9882
Scale	4,0582	0,2352	3,6225	4,5463

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-0,1708	0,3921	-1,0128	0,5398
2	0,9355	0,3472	0,1974	1,5710
3	1,6373	0,3220	0,9586	2,2319
4	2,1653	0,3053	1,5268	2,7335
5	2,5948	0,2934	1,9857	3,1448
6	2,9604	0,2846	2,3737	3,4975
7	3,2809	0,2779	2,7117	3,8089
8	3,5679	0,2729	3,0124	4,0897
9	3,8289	0,2692	3,2843	4,3466
10	4,0692	0,2664	3,5332	4,5846
20	5,8545	0,2688	5,3371	6,3979
30	7,1418	0,2940	6,5909	7,7525
40	8,2418	0,3277	7,6381	8,9340
50	9,2699	0,3665	8,6023	10,0529
60	10,2981	0,4103	9,5567	11,1817
70	11,3980	0,4611	10,5699	12,3972
80	12,6854	0,5242	11,7486	13,8268
90	14,4707	0,6159	13,3749	15,8178
91	14,7110	0,6285	13,5932	16,0863

92	14,9720	0,6423	13,8302	16,3781
93	15,2590	0,6575	14,0907	16,6991
94	15,5795	0,6746	14,3815	17,0577
95	15,9450	0,6941	14,7130	17,4669
96	16,3745	0,7172	15,1022	17,9479
97	16,9025	0,7458	15,5803	18,5396
98	17,6044	0,7840	16,2155	19,3266
99	18,7107	0,8447	17,2156	20,5678

JAM = 72

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	8,3027	0,3172	7,6810	8,9244
Scale	4,0582	0,2352	3,6225	4,5463

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-1,1380	0,4156	-2,0380	-0,3912
2	-0,03179	0,3651	-0,8168	0,6291
3	0,6701	0,3355	-0,04681	1,2812
4	1,1981	0,3149	0,5292	1,7749
5	1,6276	0,2993	0,9953	2,1791
6	1,9931	0,2872	1,3899	2,5251
7	2,3137	0,2774	1,7341	2,8303

8	2,6007	0,2694	2,0408	3,1051
9	2,8617	0,2629	2,3183	3,3565
10	3,1019	0,2575	2,5724	3,5891
20	4,8872	0,2400	4,4160	5,3629
30	6,1746	0,2542	5,6918	6,6954
40	7,2746	0,2818	6,7510	7,8649
50	8,3027	0,3172	7,7220	8,9770
60	9,3308	0,3590	8,6802	10,1019
70	10,4308	0,4087	9,6957	11,3152
80	11,7181	0,4712	10,8756	12,7436
90	13,5035	0,5627	12,5023	14,7342
91	13,7437	0,5753	12,7206	15,0027
92	14,0047	0,5891	12,9576	15,2945
93	14,2917	0,6043	13,2181	15,6155
94	14,6122	0,6214	13,5088	15,9742
95	14,9778	0,6410	13,8402	16,3835
96	15,4073	0,6642	14,2293	16,8646
97	15,9353	0,6928	14,7074	17,4564
98	16,6372	0,7311	15,3423	18,2435
99	17,7434	0,7919	16,3422	19,4851

JAM = 96

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	7,2532	0,2719	6,7204	7,7860
Scale	4,0582	0,2352	3,6225	4,5463

Table of Percentiles

		Standard	95,0% Fiducial CI	
Percent	Percentile	Error	Lower	Upper
1	-2,1875	0,4504	-3,1687	-1,3829
2	-1,0813	0,3960	-1,9397	-0,3705
3	-0,3794	0,3631	-1,1632	0,2751
4	0,1486	0,3394	-0,5812	0,7630
5	0,5781	0,3211	-0,1096	1,1615
6	0,9436	0,3062	0,2904	1,5022
7	1,2642	0,2938	0,6399	1,8021
8	1,5512	0,2832	0,9517	2,0718
9	1,8122	0,2741	1,2342	2,3182
10	2,0524	0,2663	1,4933	2,5459
20	3,8377	0,2268	3,3806	4,2758
30	5,1251	0,2252	4,6881	5,5767
40	6,2251	0,2427	5,7675	6,7260
50	7,2532	0,2719	6,7509	7,8257
60	8,2813	0,3098	7,7167	8,9430
70	9,3813	0,3571	8,7370	10,1515
80	10,6686	0,4180	9,9200	11,5768
90	12,4540	0,5085	11,5486	13,5654
91	12,6942	0,5210	11,7671	13,8338
92	12,9552	0,5348	12,0042	14,1255
93	13,2422	0,5499	12,2648	14,4464
94	13,5627	0,5670	12,5557	14,8049
95	13,9283	0,5865	12,8872	15,2141
96	14,3578	0,6096	13,2764	15,6951
97	14,8858	0,6382	13,7545	16,2868

98	15,5877	0,6764	14,3896	17,0739
99	16,6939	0,7373	15,3894	18,3154

JAM = 120

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	6,3421	0,2401	5,8715	6,8128
Scale	4,0582	0,2352	3,6225	4,5463

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-3,0986	0,4852	-4,1590	-2,2348
2	-1,9923	0,4285	-2,9256	-1,2268
3	-1,2905	0,3937	-2,1454	-0,5849
4	-0,7625	0,3683	-1,5600	-0,1005
5	-0,3330	0,3483	-1,0851	0,2948
6	0,03260	0,3318	-0,6819	0,6323
7	0,3531	0,3178	-0,3292	0,9291
8	0,6401	0,3056	-0,01431	1,1956
9	0,9011	0,2950	0,2714	1,4388
10	1,1414	0,2855	0,5336	1,6633
20	2,9267	0,2299	2,4532	3,3611
30	4,2140	0,2132	3,7906	4,6319
40	5,3140	0,2190	4,8934	5,7579
50	6,3421	0,2401	5,8928	6,8416
60	7,3703	0,2729	6,8691	7,9484

70	8,4703	0,3167	7,8962	9,1501
80	9,7576	0,3753	9,0837	10,5709
90	11,5429	0,4642	10,7155	12,5564
91	11,7832	0,4766	10,9342	12,8245
92	12,0442	0,4902	11,1716	13,1159
93	12,3312	0,5052	11,4325	13,4365
94	12,6517	0,5221	11,7236	13,7948
95	13,0173	0,5415	12,0554	14,2037
96	13,4467	0,5645	12,4448	14,6845
97	13,9747	0,5930	12,9232	15,2759
98	14,6766	0,6311	13,5585	16,0627
99	15,7829	0,6918	14,5586	17,3040

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Probit Analysis: Mortalitas; Total versus Konsentrasi; Jam Akses IP 2A

Distribution: Normal

Response Information

Variable	Value	Count
MORTALIT	Success	691
	Failure	2809
TOTAL	Total	3500

Factor Information

Factor Levels Values

JAM 5 24 48 72 96 120

Estimation Method: Maximum Likelihood

Regression Table

		Standard		
Variable	Coef	Error	Z	P
Constant	-2,40759	0,09776	-24,63	0,000
KONSENTR	0,23007	0,01388	16,57	0,000
JAM				

48	0,16653	0,09606	1,73	0,083
72	0,52473	0,09082	5,78	0,000
96	0,74812	0,08888	8,42	0,000
120	1,03600	0,08753	11,84	0,000

Natural

Response 0,000

Test for equal slopes: Chi-Square = 22,1906; DF = 4; P-Value = 0,000

Log-Likelihood = -1489,256

Multiple degree of freedom test

Term	Chi-Square	DF	P
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JAM	195,616	4	0,000
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Goodness-of-Fit Tests

Method	Chi-Square	DF	P
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Pearson	48,499	29	0,013
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Deviance	46,363	29	0,022
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JAM = 24

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	10,4647	0,4558	9,5714	11,3581
Scale	4,3466	0,2622	3,8618	4,8922

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	0,3531	0,4105	-0,5237	1,1017
2	1,5380	0,3669	0,7650	2,2163

3	2,2897	0,3441	1,5730	2,9332
4	2,8553	0,3300	2,1747	3,4786
5	3,3153	0,3208	2,6596	3,9267
6	3,7068	0,3147	3,0690	4,3115
7	4,0501	0,3107	3,4251	4,6517
8	4,3575	0,3082	3,7417	4,9586
9	4,6371	0,3070	4,0277	5,2396
10	4,8944	0,3067	4,2894	5,4999
20	6,8066	0,3280	6,1859	7,4820
30	8,1854	0,3660	7,5085	8,9562
40	9,3636	0,4091	8,6172	10,2372
50	10,4647	0,4558	9,6408	11,4472
60	11,5659	0,5069	10,6557	12,6659
70	12,7441	0,5652	11,7346	13,9768
80	14,1229	0,6367	12,9906	15,5175
90	16,0351	0,7399	14,7245	17,6623
91	16,2924	0,7540	14,9573	17,9514
92	16,5720	0,7695	15,2101	18,2657
93	16,8794	0,7865	15,4879	18,6113
94	17,2227	0,8056	15,7980	18,9975
95	17,6142	0,8275	16,1516	19,4382
96	18,0742	0,8534	16,5667	19,9561
97	18,6397	0,8853	17,0767	20,5932
98	19,3915	0,9280	17,7542	21,4405
99	20,5764	0,9957	18,8211	22,7770

JAM = 48

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	9,7409	0,4118	8,9338	10,5480
Scale	4,3466	0,2622	3,8618	4,8922

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-0,3707	0,4209	-1,2779	0,3901
2	0,8141	0,3712	0,02297	1,4926
3	1,5659	0,3436	0,8404	2,2000
4	2,1314	0,3255	1,4501	2,7374
5	2,5914	0,3128	1,9421	3,1785
6	2,9830	0,3036	2,3577	3,5571
7	3,3263	0,2968	2,7194	3,8916
8	3,6337	0,2918	3,0411	4,1934
9	3,9132	0,2882	3,3318	4,4698
10	4,1705	0,2858	3,5976	4,7259
20	6,0827	0,2939	5,5207	6,6815
30	7,4615	0,3260	6,8548	8,1441
40	8,6397	0,3664	7,9690	9,4197
50	9,7409	0,4118	8,9953	10,6270
60	10,8421	0,4623	10,0115	11,8444
70	12,0202	0,5203	11,0908	13,1548
80	13,3991	0,5918	12,3468	14,6956
90	15,3112	0,6953	14,0801	16,8409
91	15,5686	0,7095	14,3128	17,1301
92	15,8481	0,7250	14,5655	17,4445

93	16,1555	0,7421	14,8432	17,7903
94	16,4988	0,7613	15,1532	18,1766
95	16,8904	0,7832	15,5066	18,6174
96	17,3504	0,8092	15,9215	19,1356
97	17,9159	0,8412	16,4313	19,7729
98	18,6677	0,8840	17,1085	20,6205
99	19,8525	0,9520	18,1749	21,9574

JAM = 72

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	8,1840	0,3284	7,5403	8,8276
Scale	4,3466	0,2622	3,8618	4,8922

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-1,9277	0,4664	-2,9458	-1,0952
2	-0,7428	0,4077	-1,6271	-0,01057
3	0,008982	0,3727	-0,7949	0,6822
4	0,5745	0,3480	-0,1721	1,2064
5	1,0345	0,3291	0,3321	1,6353
6	1,4261	0,3141	0,7591	2,0024
7	1,7694	0,3019	1,1318	2,3261
8	2,0767	0,2917	1,4638	2,6176
9	2,3563	0,2832	1,7643	2,8841
10	2,6136	0,2760	2,0396	3,1308
20	4,5258	0,2482	4,0346	5,0144

30	5,9046	0,2600	5,4094	6,4364
40	7,0828	0,2893	6,5457	7,6898
50	8,1840	0,3284	7,5844	8,8847
60	9,2852	0,3753	8,6076	10,0951
70	10,4633	0,4312	9,6911	11,4014
80	11,8421	0,5015	10,9494	12,9398
90	13,7543	0,6045	12,6837	15,0841
91	14,0117	0,6187	12,9165	15,3733
92	14,2912	0,6342	13,1692	15,6876
93	14,5986	0,6513	13,4469	16,0334
94	14,9419	0,6705	13,7569	16,4198
95	15,3335	0,6925	14,1102	16,8607
96	15,7935	0,7185	14,5250	17,3789
97	16,3590	0,7506	15,0347	18,0163
98	17,1107	0,7935	15,7117	18,8642
99	18,2956	0,8617	16,7777	20,2015

JAM = 96

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	7,2130	0,2856	6,6533	7,7727
Scale	4,3466	0,2622	3,8618	4,8922

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-2,8986	0,5037	-4,0032	-2,0039

2	-1,7138	0,4416	-2,6779	-0,9258
3	-0,9620	0,4038	-1,8402	-0,2386
4	-0,3965	0,3765	-1,2123	0,2806
5	0,06351	0,3552	-0,7032	0,7046
6	0,4551	0,3378	-0,2714	1,0669
7	0,7984	0,3231	0,1060	1,3859
8	1,1057	0,3106	0,4427	1,6727
9	1,3853	0,2998	0,7478	1,9346
10	1,6426	0,2903	1,0277	2,1767
20	3,5548	0,2406	3,0664	4,0166
30	4,9336	0,2353	4,4754	5,4044
40	6,1118	0,2533	5,6341	6,6353
50	7,2130	0,2856	6,6865	7,8165
60	8,3142	0,3283	7,7181	9,0185
70	9,4923	0,3815	8,8068	10,3196
80	10,8712	0,4502	10,0684	11,8547
90	12,7833	0,5520	11,8050	13,9968
91	13,0407	0,5661	12,0379	14,2859
92	13,3202	0,5815	12,2907	14,6000
93	13,6276	0,5986	12,5686	14,9457
94	13,9709	0,6177	12,8787	15,3319
95	14,3625	0,6396	13,2322	15,7726
96	14,8225	0,6655	13,6472	16,2907
97	15,3880	0,6976	14,1570	16,9280
98	16,1397	0,7405	14,8341	17,7757
99	17,3246	0,8086	15,9002	19,1129

JAM = 120

Tolerance Distribution

Parameter Estimates

	Standard	95,0% Normal CI		
Parameter	Estimate	Error	Lower	Upper
Location	5,9617	0,2436	5,4842	6,4392
Scale	4,3466	0,2622	3,8618	4,8922

Table of Percentiles

	Standard	95,0% Fiducial CI		
Percent	Percentile	Error	Lower	Upper
1	-4,1499	0,5579	-5,3779	-3,1624
2	-2,9651	0,4932	-4,0474	-2,0896
3	-2,2133	0,4532	-3,2054	-1,4068
4	-1,6478	0,4238	-2,5733	-0,8917
5	-1,1878	0,4005	-2,0603	-0,4717
6	-0,7962	0,3811	-1,6245	-0,1133
7	-0,4529	0,3644	-1,2433	0,2018
8	-0,1455	0,3500	-0,9026	0,4847
9	0,1340	0,3371	-0,5935	0,7426
10	0,3914	0,3256	-0,3096	0,9807
20	2,3035	0,2541	1,7726	2,7771
30	3,6824	0,2261	3,2267	4,1197
40	4,8605	0,2251	4,4237	5,3124
50	5,9617	0,2436	5,5035	6,4663
60	7,0629	0,2772	6,5531	7,6503
70	8,2410	0,3246	7,6534	8,9397
80	9,6199	0,3893	8,9228	10,4671
90	11,5321	0,4884	10,6648	12,6037
91	11,7894	0,5023	10,8981	12,8923

92	12,0689	0,5175	11,1515	13,2060
93	12,3763	0,5343	11,4298	13,5512
94	12,7196	0,5532	11,7403	13,9370
95	13,1112	0,5749	12,0942	14,3773
96	13,5712	0,6006	12,5097	14,8949
97	14,1367	0,6324	13,0199	15,5317
98	14,8885	0,6750	13,6975	16,3790
99	16,0733	0,7429	14,7642	17,7156

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Lampiran 7. Dokumentasi Penelitian

A. Bahan dan Alat Dalam Penelitian



1. Biji jarak pagar (*J. curcas*)



2. Minyak biji jarak pagar (*J. curcas*)



3. Perlengkapan untuk menyemprot 4. Spray chamber



5. Timbangan analitik

B. Pelaksanaan Kegiatan Penelitian



1. Pengepresan biji jarak



2. Peletakan Larva *S. litura* dalam Spray chamber



3. Penyemprotan



4. Penempatan saat kopulasi

