Lampiran 1. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 1.

Hasil Uji Deskriptif 24 Jam Setelah Aplikasi

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Kontrol	5	0	0	.00	.000
EkstrakDuaunKenikir	5	0	2	1.00	1.000
EkstrakDaunMimba	5	0	5	3.00	1.871
EkstrakDaunPepaya	5	5	7	5.80	.837
Valid N (listwise)	5				

Tabel 2.

Hasil Uji Deskriptif 48 Jam Setelah Aplikasi

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Kontrol	5	0	0	.00	.000
EkstrakDaunKenikir	5	2	5	3.20	1.095
EkstrakDaunMimba	5	3	5	4.40	.894
EkstrakDaunPepaya	5	7	9	7.80	.837
Valid N (listwise)	5				

Tabel 3.

Hasil Uji Deskriptif 72 Jam Setelah Aplikasi

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Kontrol	5	0	1	.20	.447
EkstrakDaunKenikir	5	2	5	3.60	1.140
EkstrakDaunMimba	5	5	6	5.60	.548
EkstrakDaunPepaya	5	7	10	8.00	1.225
Valid N (listwise)	5				

Lampiran 2. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 4.

Hasil Uji Deskriptif 96 Jam Setelah Aplikasi

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Kontrol	5	0	1	.20	.447
EkstrakDaunKenikir	5	2	5	3.60	1.140
EkstrakDaunMimba	5	5	7	5.80	.837
EkstrakDaunPepaya	5	7	10	8.00	1.225
Valid N (listwise)	5				

Tabel 5.

Hasil Uji Normalitas 24 Jam Setelah Aplikasi

One-Sample Kolmogorov-Smirnov Test

			Unstandardized Residual
N			20
Normal Parameters[a,b]	Mean		.0000000
	Std. Deviation		1.14386234
Most Extreme Differences	Absolute		.256
	Positive		.188
	Negative		-.256
Test Statistic			.256
Asymp. Sig. (2-tailed)			.001[c]
Monte Carlo Sig. (2-tailed)	Sig.		.125[d]
	99% Confidence Interval	Lower Bound	.117
		Upper Bound	.134

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Based on 10000 sampled tables with starting seed 2000000.

Lampiran 3. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 6.

Hasil Uji Normalitas 48 Jam Setelah Aplikasi

One-Sample Kolmogorov-Smirnov Test

		LarvaMati
N		20
Normal Parameters[a,b]	Mean	3.85
	Std. Deviation	2.961
Most Extreme Differences	Absolute	.153
	Positive	.153
	Negative	-.106
Test Statistic		.153
Asymp. Sig. (2-tailed)		.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Tabel 7.

Hasil Uji Normalitas 72 Jam Setelah Aplikasi

One-Sample Kolmogorov-Smirnov Test

		LarvaMati
N		20
Normal Parameters[a,b]	Mean	4.35
	Std. Deviation	3.048
Most Extreme Differences	Absolute	.134
	Positive	.123
	Negative	-.134
Test Statistic		.134
Asymp. Sig. (2-tailed)		.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Lampiran 4. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 8.

Hasil Uji Normalitas 96 Jam Setelah Aplikasi

One-Sample Kolmogorov-Smirnov Test

		LarvaMati
N		20
Normal Parameters[a,b]	Mean	4.40
	Std. Deviation	3.085
Most Extreme Differences	Absolute	.127
	Positive	.123
	Negative	-.127
Test Statistic		.127
Asymp. Sig. (2-tailed)		.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Tabel 9.

Hasil Uji Homogenitas 24 Jam Setelah Aplikasi

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
LarvaMati	Based on Mean	2.386	3	16	.107
	Based on Median	2.273	3	16	.119
	Based on Median and with adjusted df	2.273	3	6.411	.175
	Based on trimmed mean	2.466	3	16	.100

Lampiran 5. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 10.

Hasil Uji Homogenitas 48 Jam Setelah Aplikasi

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
LarvaMati	Based on Mean	2.726	3	16	.079
	Based on Median	.947	3	16	.441
	Based on Median and with adjusted df	.947	3	10.540	.452
	Based on trimmed mean	2.513	3	16	.095

Tabel 11.

Hasil Uji Homogenitas 72 Jam Setelah Aplikasi

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
LarvaMati	Based on Mean	1.252	3	16	.324
	Based on Median	.947	3	16	.441
	Based on Median and with adjusted df	.947	3	13.009	.446
	Based on trimmed mean	1.340	3	16	.297

Tabel 12.

Hasil Uji Homogenitas 96 Jam Setelah Aplikasi

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
LarvaMati	Based on Mean	.949	3	16	.440
	Based on Median	.842	3	16	.491
	Based on Median and with adjusted df	.842	3	13.009	.495
	Based on trimmed mean	1.035	3	16	.404

Lampiran 6. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 13.
Hasil Uji Hipotesis Waktu Tercepat Kematian Larva *Plutella xylostella* L.

ANOVA

LarvaMati

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	166.000	3	55.333	59.820	.000
Within Groups	14.800	16	.925		
Total	180.800	19			

Lampiran 7. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 14.

Hasil Uji BNT 24 JSA

Multiple Comparisons

Dependent Variable: LarvaMati

LSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol	Ekstrak Daun Kenikir	-1.000	.721	.185	-2.53	.53
	Ekstrak Daun Mimba	-3.000*	.721	.001	-4.53	-1.47
	Ekstrak Daun Pepaya	-5.800*	.721	.000	-7.33	-4.27
Ekstrak Daun Kenikir	Kontrol	1.000	.721	.185	-.53	2.53
	Ekstrak Daun Mimba	-2.000*	.721	.014	-3.53	-.47
	Ekstrak Daun Pepaya	-4.800*	.721	.000	-6.33	-3.27
Ekstrak Daun Mimba	Kontrol	3.000*	.721	.001	1.47	4.53
	Ekstrak Daun Kenikir	2.000*	.721	.014	.47	3.53
	Ekstrak Daun Pepaya	-2.800*	.721	.001	-4.33	-1.27
Ekstrak Daun Pepaya	Kontrol	5.800*	.721	.000	4.27	7.33
	Ekstrak Daun Kenikir	4.800*	.721	.000	3.27	6.33
	Ekstrak Daun Mimba	2.800*	.721	.001	1.27	4.33

*. The mean difference is significant at the 0.05 level.

Lampiran 8. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 15.

Hasil Uji BNT 48 JSA

Multiple Comparisons

Dependent Variable: LarvaMati

LSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol	Ekstrak Daun Kenikir	-3.200*	.520	.000	-4.30	-2.10
	Ekstrak Daun Mimba	-4.400*	.520	.000	-5.50	-3.30
	Ekstrak Daun Pepaya	-7.800*	.520	.000	-8.90	-6.70
Ekstrak Daun Kenikir	Kontrol	3.200*	.520	.000	2.10	4.30
	Ekstrak Daun Mimba	-1.200*	.520	.035	-2.30	-.10
	Ekstrak Daun Pepaya	-4.600*	.520	.000	-5.70	-3.50
Ekstrak Daun Mimba	Kontrol	4.400*	.520	.000	3.30	5.50
	Ekstrak Daun Kenikir	1.200*	.520	.035	.10	2.30
	Ekstrak Daun Pepaya	-3.400*	.520	.000	-4.50	-2.30
Ekstrak Daun Pepaya	Kontrol	7.800*	.520	.000	6.70	8.90
	Ekstrak Daun Kenikir	4.600*	.520	.000	3.50	5.70
	Ekstrak Daun Mimba	3.400*	.520	.000	2.30	4.50

*. The mean difference is significant at the 0.05 level.

Lampiran 9. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 16.

Hasil Uji BNT 72 JSA

Multiple Comparisons

Dependent Variable: LarvaMati

LSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol	Ekstrak Daun Kenikir	-3.400*	.574	.000	-4.62	-2.18
	Ekstrak Daun Mimba	-5.400*	.574	.000	-6.62	-4.18
	Ekstrak Daun Pepaya	-7.800*	.574	.000	-9.02	-6.58
Ekstrak Daun Kenikir	Kontrol	3.400*	.574	.000	2.18	4.62
	Ekstrak Daun Mimba	-2.000*	.574	.003	-3.22	-.78
	Ekstrak Daun Pepaya	-4.400*	.574	.000	-5.62	-3.18
Ekstrak Daun Mimba	Kontrol	5.400*	.574	.000	4.18	6.62
	Ekstrak Daun Kenikir	2.000*	.574	.003	.78	3.22
	Ekstrak Daun Pepaya	-2.400*	.574	.001	-3.62	-1.18
Ekstrak Daun Pepaya	Kontrol	7.800*	.574	.000	6.58	9.02
	Ekstrak Daun Kenikir	4.400*	.574	.000	3.18	5.62
	Ekstrak Daun Mimba	2.400*	.574	.001	1.18	3.62

*. The mean difference is significant at the 0.05 level.

Lampiran 10. Hasil Analisis Waktu Tercepat Kematian Larva

Tabel 17.

Hasil Uji BNT 96 JSA

Multiple Comparisons

Dependent Variable: LarvaMati

LSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol	Ekstrak Daun Kenikir	-3.400*	.608	.000	-4.69	-2.11
	Ekstrak Daun Mimba	-5.600*	.608	.000	-6.89	-4.31
	Ekstrak Daun Pepaya	-7.800*	.608	.000	-9.09	-6.51
Ekstrak Daun Kenikir	Kontrol	3.400*	.608	.000	2.11	4.69
	Ekstrak Daun Mimba	-2.200*	.608	.002	-3.49	-.91
	Ekstrak Daun Pepaya	-4.400*	.608	.000	-5.69	-3.11
Ekstrak Daun Mimba	Kontrol	5.600*	.608	.000	4.31	6.89
	Ekstrak Daun Kenikir	2.200*	.608	.002	.91	3.49
	Ekstrak Daun Pepaya	-2.200*	.608	.002	-3.49	-.91
Ekstrak Daun Pepaya	Kontrol	7.800*	.608	.000	6.51	9.09
	Ekstrak Daun Kenikir	4.400*	.608	.000	3.11	5.69
	Ekstrak Daun Mimba	2.200*	.608	.002	.91	3.49

*. The mean difference is significant at the 0.05 level.

Lampiran 11. Hasil Analisis Persentase Kematian Larva *Plutella xylostella* L.

Tabel 18.

Hasil Uji Deskriptif Persentase Kematian Larva *Plutella xylostella* L.

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Kontrol	5	0	10	2.00	4.472
Ekstrakdaunkenikir	5	20	50	36.00	11.402
Ekstrakdaunmimba	5	50	70	58.00	8.367
ekstrakdaunpepaya	5	60	100	78.00	14.832
Valid N (listwise)	5				

Tabel 19.

Hasil Uji Normalitas Persentase Kematian Larva *Plutella xylostella* L.

One-Sample Kolmogorov-Smirnov Test

		Mortalitas
N		20
Normal Parameters[a,b]	Mean	43.5000
	Std. Deviation	30.48295
Most Extreme Differences	Absolute	.134
	Positive	.123
	Negative	-.134
Test Statistic		.134
Asymp. Sig. (2-tailed)		.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Lampiran 12. Hasil Analisis Persentase Kematian Larva *Plutella xylostella* L.

Tabel 20.

Hasil Uji Homogenitas Persentase Kematian Larva *Plutella xylostella* L.

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Persentase Kematian	Based on Mean	1.363	3	16	.290
	Based on Median	1.061	3	16	.393
	Based on Median and with adjusted df	1.061	3	11.951	.402
	Based on trimmed mean	1.441	3	16	.268

Tabel 21.

Hasil Uji Hipotesis Persentase Kematian Larva *Plutella xylostella* L.

ANOVA

PersentaseKematian

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	15895.000	3	5298.333	48.167	.000
Within Groups	1760.000	16	110.000		
Total	17655.000	19			

Lampiran 13. Hasil Analisis Persentase Kematian Larva *Plutella Xylostella* L.

Tabel 22.

Hasil Uji BNT Persentase Kematian Larva *Plutella xylostella* L.

Multiple Comparisons

Dependent Variable: Mortalitas

LSD

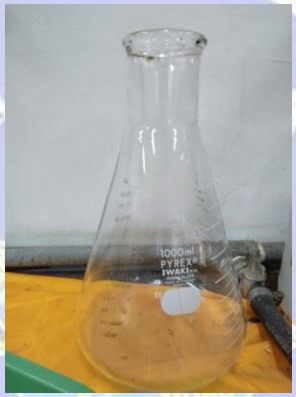
(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol	Ekstrak Kenikir	-34.00000*	6.63325	.000	-48.0619	-19.9381
	Ekstrak Mimba	-56.00000*	6.63325	.000	-70.0619	-41.9381
	Ekstrak Pepaya	-76.00000*	6.63325	.000	-90.0619	-61.9381
Ekstrak Kenikir	Kontrol	34.00000*	6.63325	.000	19.9381	48.0619
	Ekstrak Mimba	-22.00000*	6.63325	.004	-36.0619	-7.9381
	Ekstrak Pepaya	-42.00000*	6.63325	.000	-56.0619	-27.9381
Ekstrak Mimba	Kontrol	56.00000*	6.63325	.000	41.9381	70.0619
	Ekstrak Kenikir	22.00000*	6.63325	.004	7.9381	36.0619
	Ekstrak Pepaya	-20.00000*	6.63325	.008	-34.0619	-5.9381
Ekstrak Pepaya	Kontrol	76.00000*	6.63325	.000	61.9381	90.0619
	Ekstrak Kenikir	42.00000*	6.63325	.000	27.9381	56.0619
	Ekstrak Mimba	20.00000*	6.63325	.008	5.9381	34.0619

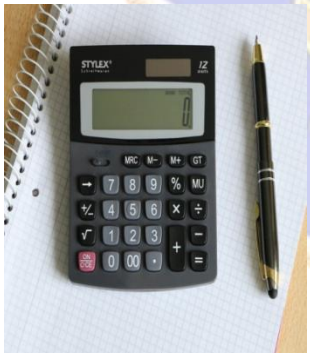
*. The mean difference is significant at the 0.05 level.

Lampiran 14. Dokumentasi Persiapan Penelitian

Tahap Persiapan




Bibit Tanaman Kubis

Pembibitan Tanaman Kubis

Tanaman kubis

Pengambilan larva di kebun kubis kintamani

Proses Rearing Larva *Plutella xylostella L.*

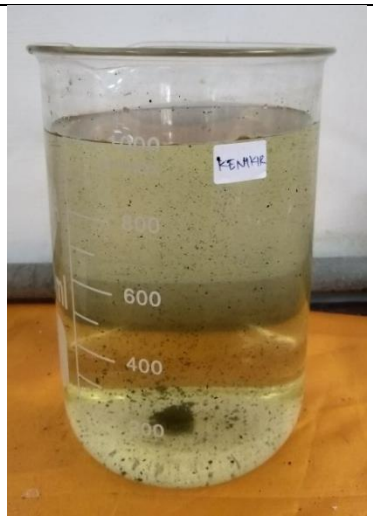
Penimbangan Ekstrak Daun Kenikir

Penimbangan Ekstrak Daun Mimba

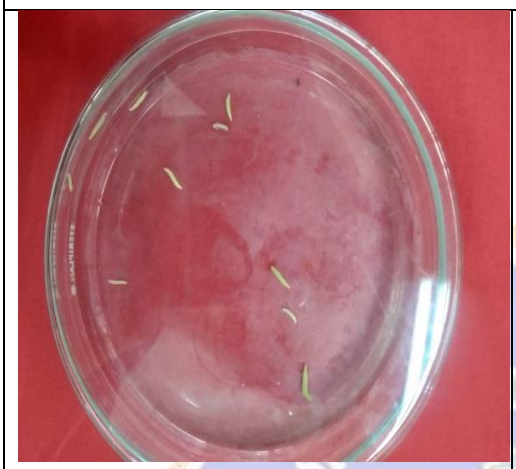
Penimbangan Ekstrak Daun Pepaya

Pengenceran Ekstrak Daun Pepaya

Pengenceran Ekstrak Daun Mimba

	
Pengenceran Ekstrak Daun Kenikir	Potongan Kubis 12 x 12 cm

Lampiran 15. Dokumentasi Pelaksanaan Penelitian

Tahap Pelaksanaan	
	
Memuasakan larva *Plutella xylostella* L.	Merendam potongan tanaman kubis pada ekstrak daun
	
Investasi larva ke potongan kubis	Denah Perlakuan

Lampiran 16. Hasil Pengamatan Perlakuan

Kontrol

Perlakuan Ekstrak Daun Tanaman Kenikir

Perlakuan Ekstrak Daun Tanaman Mimba

Perlakuan Ekstrak Daun Tanaman Pepaya

RIWAYAT HIDUP

Indriana Refita Devi lahir di Pekalongan pada tanggal 6 Juli 2000. Penulis lahir dari pasangan Bapak Kusnoto dan Ibu Tri Lestari dan merupakan anak pertama. Penulis berkebangsaan Indonesia dan menganut agama Hindu. Kini penulis beralamat di Jalan Gunung Rinjani, Kecamatan Buleleng, Kabupaten Buleleng, Bali.

Penulis menyelesaikan pendidikan Sekolah Dasar di SDN 01 Linggo pada tahun 2012. Kemudian penulis melanjutkan pendidikan di jenjang Sekolah Menengah Pertama di SMPN 1 Kajen dan lulus pada tahun 2015. Pada tahun 2018 penulis lulus dari SMAN 1 Kajen dan melanjutkan studi di Universitas Pendidikan Ganesha, Fakultas Matematika dan Ilmu Pengetahuan Alam, Jurusan Biologi dan Perikanan Kelautan, Program Studi Biologi. Pada akhir semester 8 penulis telah menyelesaikan skripsi dengan judul "Perbedaan Efikasi Ekstrak Beberapa Jenis Daun Tanaman Terhadap Mortalitas Larva *Plutella xylostella* L. Pada Tanaman Kubis *(Brassica oleracea* var. cipatata)".