

LAMPIRAN

Lampiran 1

**Tabel pengumpulan data primer
Penelitian selama 24 jam**

No.	Replikasi	Jumlah kematian larva nyamuk <i>Culex sp</i>							
		0% Kontrol		30%		35%		40%	
		n	Σ	N	Σ	N	Σ	n	Σ
1.	R1	25	0	25	18	25	20	25	23
2.	R2	25	0	25	19	25	21	25	22
3.	R3	25	0	25	17	25	20	25	23
4.	R4	25	0	25	18	25	19	25	24
5.	R5	25	0	25	18	25	17	25	21
6.	R6	25	0	25	18	25	20	25	23
Jumlah		150	0	150	108	150	117	150	136
Rata-rata		25	0	25	18	25	20	25	23
%		100	0	100	72	100	80	100	92

Keterangan :

Σ : jumlah kematian larva nyamuk *Culex sp*

% : presentasi kematian larva nyamuk *Culex sp*

Nb : jumlah larva yang digunakan sebesar 25 larva berdasarkan WHO

Lampiran 2

**Prosedur Pembuatan Konsentrasi Ekstrak Daun Tin (*Ficus Carica L.*)
Dengan Besaran Konsentrasi 30%; 35% dan 40%**

1. Konsentrasi 30%

$$\begin{aligned}V_1.N_1 &= V_2.N_2 \\200 \text{ ml} . 30 &= V_2 . 100 \\V_2 &= \frac{200 \text{ ml} . 30}{100} \\V_2 &= 60 \text{ ml}\end{aligned}$$

Jadi konsentrasi 30% = 60 ml ekstrak Daun Tin (*Ficus carica L.*)
kemudian dilarutkan pada media air bersih 140 ml (200 - 60)

2. Konsentrasi 35%

$$\begin{aligned}V_1.N_1 &= V_2.N_2 \\200 \text{ ml} . 35 &= V_2 . 100 \\V_2 &= \frac{200 \text{ ml} . 35}{100} \\V_2 &= 70 \text{ ml}\end{aligned}$$

Jadi konsentrasi 35% = 70 ml ekstrak Daun Tin (*Ficus carica L.*)
kemudian dilarutkan pada media air bersih 130 ml (200 - 70)

3. Konsentrasi 40%

$$\begin{aligned}V_1.N_1 &= V_2.N_2 \\200 \text{ ml} . 40 &= V_2 . 100 \\V_2 &= \frac{200 \text{ ml} . 40}{100} \\V_2 &= 80 \text{ ml}\end{aligned}$$

Jadi konsentrasi 40% = 80 ml ekstrak Daun Tin (*Ficus carica L.*)
kemudian dilarutkan pada media air bersih 120 ml (200 - 80)

Lampiran 3

Tabel data kematian larva nyamuk *Culex sp* per jam selama 24 jam

Jam	Konsentrasi ekstrak daun Tin																								Rata-rata	
	0%						30%						35%						40%							
	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6		
1.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
5.	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
6.	0	0	0	0	0	0	1	2	2	3	3	2	3	2	2	2	3	2	2	2	1	2	2	3	2	2
7.	0	0	0	0	0	0	3	3	3	4	4	2	3	3	2	2	3	2	3	2	3	4	3	4	3	3
8.	0	0	0	0	0	0	4	3	4	4	5	3	4	4	4	5	5	4	4	4	5	5	6	6	4	4
9.	0	0	0	0	0	0	4	4	5	4	5	3	5	4	4	6	6	5	6	6	7	7	6	7	5	5
10.	0	0	0	0	0	0	5	5	6	5	6	5	7	5	6	6	7	6	7	8	7	8	7	8	6	6
11.	0	0	0	0	0	0	5	6	6	5	7	7	8	6	7	8	8	7	7	9	9	10	7	9	7	7
12.	0	0	0	0	0	0	6	6	7	8	7	7	9	7	8	9	9	9	9	9	10	10	11	9	10	8
13.	0	0	0	0	0	0	8	7	8	8	7	8	10	8	8	9	9	10	11	11	12	11	9	11	9	9
14.	0	0	0	0	0	0	9	7	8	9	8	9	10	10	10	12	11	10	11	12	12	11	12	12	10	10
15.	0	0	0	0	0	0	10	8	8	9	9	10	11	12	11	13	12	11	13	13	14	13	12	12	11	11
16.	0	0	0	0	0	0	11	10	9	10	10	11	12	12	12	13	13	13	14	14	15	14	13	12	12	12
17.	0	0	0	0	0	0	13	12	9	10	11	11	13	13	12	13	13	14	14	15	17	15	15	13	13	13
18.	0	0	0	0	0	0	15	13	10	11	11	12	13	15	12	14	14	14	15	15	17	16	17	15	14	14

19.	0	0	0	0	0	0	15	15	11	13	12	12	14	15	14	15	15	15	17	18	19	16	17	18	15
20.	0	0	0	0	0	0	16	17	11	13	13	13	14	16	14	17	15	16	17	18	19	18	18	18	16
21.	0	0	0	0	0	0	18	19	13	16	15	13	16	18	15	18	17	17	18	19	20	19	19	20	17
22.	0	0	0	0	0	0	18	19	15	16	15	14	16	18	16	19	17	17	19	20	21	21	20	22	18
23.	0	0	0	0	0	0	18	19	16	18	17	16	18	20	18	19	17	20	22	21	23	22	20	22	19
24.	0	0	0	0	0	0	18	19	17	18	18	18	20	21	20	19	17	20	23	22	23	24	21	23	20

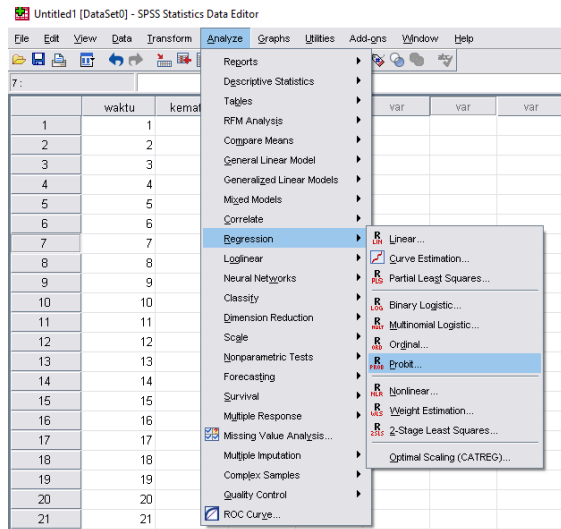
Cara analisis probit menggunakan SPSS

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure
1	waktu	Numeric	8	0		None	None	8	Right	Scale
2	kematian	Numeric	8	0		None	None	8	Right	Scale
3	total	Numeric	8	0		None	None	8	Right	Scale
4										
5										
6										

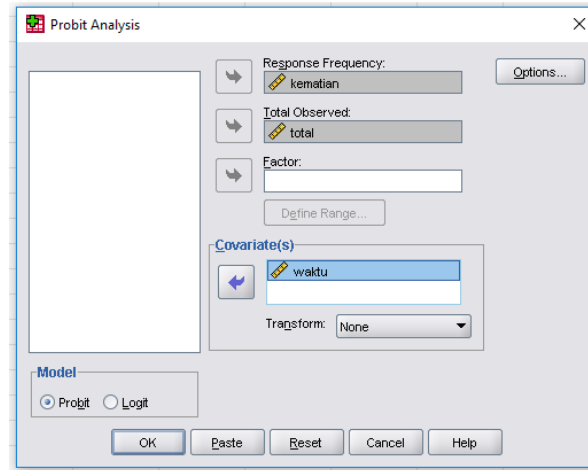
1. Masuk ke variabel view, kemudian isi baris 1= waktu/jam, dan baris 2= kematian (kematian larva) , pada baris 3= total (total sampel uji)

	waktu	kematian	total	var
1	1	0	25	
2	2	0	25	
3	3	0	25	
4	4	0	25	
5	5	0	25	
6	6	2	25	
7	7	3	25	
8	8	4	25	
9	9	5	25	
10	10	6	25	
11	11	7	25	
12	12	8	25	
13	13	9	25	
14	14	10	25	
15	15	11	25	
16	16	12	25	

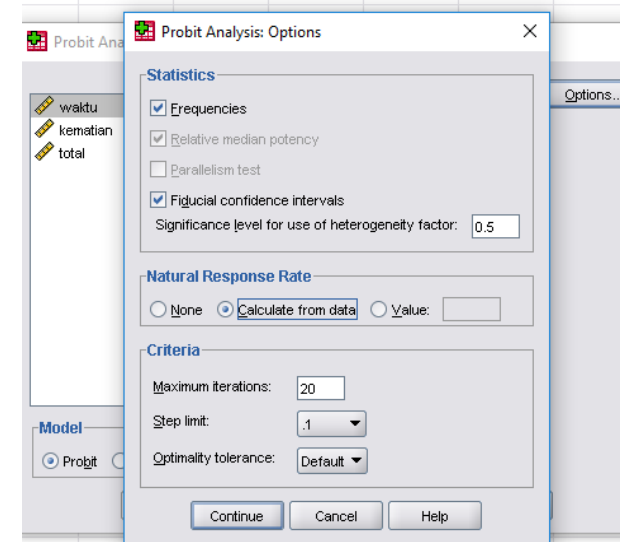
2. kemudian masuk data view, pada kolom waktu isi waktu penelitian (jam ke 1-24) , pada kolom kematian masukkan rata-rata kematian setiap jam, dan pada kolom total isi jumlah sampel penelitian



3. kemudian untuk analisis, klik analyze-regression-probit



4. Kemudian akan muncul tampilan seperti diatas, variabel kematian masuuka kedalam Response Frequency, variabel kematian masukkan ke total observed, dan variabel waktu masukkan ke Covariate, kemudian klik options



5. setelah klik options akan muncul garbar di atas, dan atur seperti gambar tersebut, kemudian klik continue lalu ok, maka akan keluar hasil analisis (terdapat pada lampiran 6)

Lampiran 4

Hasil Uji Statistik

Hasil Uji Homogenitas

Test of Homogeneity of Variances

Total Kematian

Levene Statistic	df1	df2	Sig.
3.683	3	20	.029

Hasil Uji kruskal wallis

Ranks

	konsent rasi	N	Mean Rank
kematian	0 %	6	3.50
	30 %	6	10.50
	35 %	6	14.58
	40 %	6	21.42
	Total	24	

Test Statistics^{a,b}

	Kematian
Chi-Square	20.767
Df	3
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable:
konsentrasi

Hasil Uji Mann-Whitney

Ranks

	konsent rasi	N	Mean Rank	Sum of Ranks
kematian	0 %	6	3.50	21.00
	30 %	6	9.50	57.00
	Total	12		

Test Statistics^b

	kematian
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.140
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

a. Not corrected for ties.

b. Grouping Variable: konsentrasi

Ranks

konsent rasi	N	Mean Rank	Sum of Ranks
Kematian 0 %	6	3.50	21.00
35 %	6	9.50	57.00
Total	12		

Test Statistics^b

	Kematian
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.102
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

a. Not corrected for ties.

Ranks

konsent rasi	N	Mean Rank	Sum of Ranks
kematian 0 %	6	3.50	21.00
40 %	6	9.50	57.00
Total	12		

Test Statistics^b

	kematian
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.102
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

a. Not corrected for ties.

b. Grouping Variable: konsentrasi

Ranks

konsent rasi	N	Mean Rank	Sum of Ranks
Kematian 30 %	6	4.50	27.00
35 %	6	8.50	51.00
Total	12		

Test Statistics^b

	kematian
Mann-Whitney U	6.000
Wilcoxon W	27.000
Z	-1.978
Asymp. Sig. (2-tailed)	.048
Exact Sig. [2*(1-tailed Sig.)]	.065 ^a

a. Not corrected for ties.

b. Grouping Variable: konsentrasi

Ranks

	konsent rasi	N	Mean Rank	Sum of Ranks
Kematian	30 %	6	3.50	21.00
	40 %	6	9.50	57.00
	Total	12		

Test Statistics^b

	Kematian
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.956
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

a. Not corrected for ties.

b. Grouping Variable: konsentrasi

Ranks

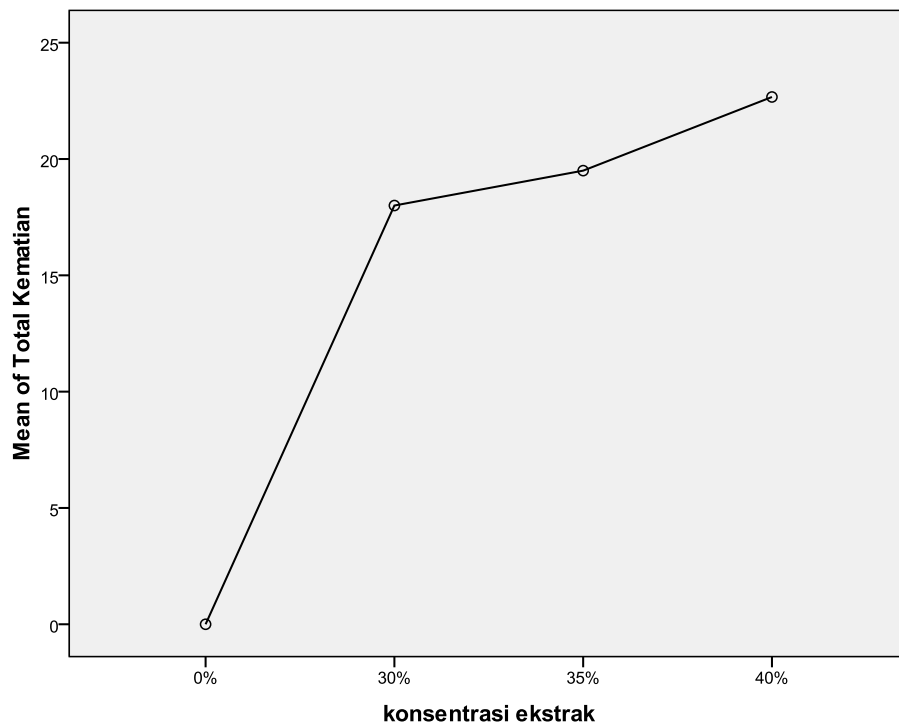
	konsent rasi	N	Mean Rank	Sum of Ranks
kematian	35 %	6	3.58	21.50
	40 %	6	9.42	56.50
	Total	12		

Test Statistics^b

	kematian
Mann-Whitney U	.500
Wilcoxon W	21.500
Z	-2.847
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

a. Not corrected for ties.

b. Grouping Variable: konsentrasi



Lampiran 5

Hasil olah data statistik uji probit LC₉₀

Data Information

		N of Cases
Valid		4
Rejected	Missing	0
	Number of Responses > Number of Subjects	0
Control Group		1

Convergence Information

	Number of Iterations	Optimal Solution Found
PROBIT	15	Yes

Parameter Estimates

Parameter	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
PROBIT ^a konsentrasi	.101	.026	3.929	.000	.051	.152
Intercept	-2.600	.884	-2.942	.003	-3.484	-1.716

a. PROBIT model: $PROBIT(p) = \text{Intercept} + BX$

Covariances and Correlations of Parameter Estimates

		konsentrasi	Natural Response
PROBIT	Konsentrasi	.001	.016
	Natural Response	.000	.040

Covariances (below) and Correlations (above).

Chi-Square Tests

		Chi-Square	df ^a	Sig.
PROBIT	Pearson Goodness-of-Fit Test	.556	1	.456 ^b

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is less than .500, a heterogeneity factor is used in the calculation of confidence limits.

Cell Counts and Residuals

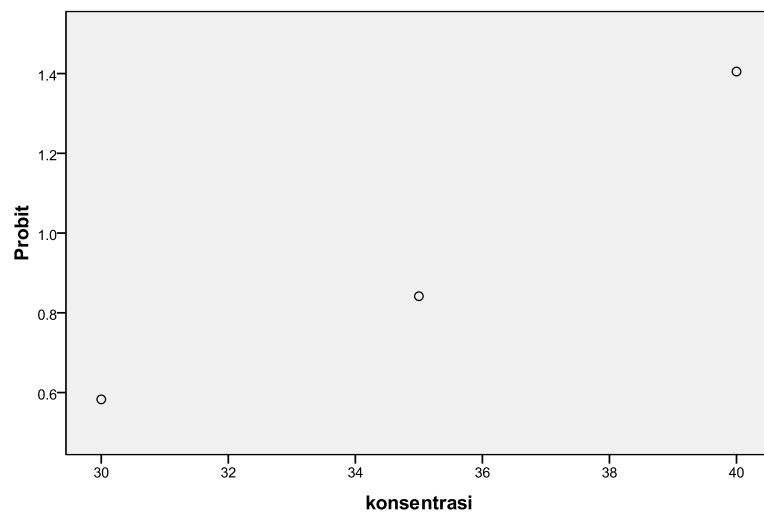
Number	Konsentrasi	Number of Subjects	Observed Responses	Expected Responses	Residual	Probability
PROBIT 1	.000	25	0	.117	-.117	.005
2	30.000	25	18	16.773	1.227	.671
3	35.000	25	20	20.720	-.720	.829
4	40.000	25	23	23.185	-.185	.927

Confidence Limits

Probability	95% Confidence Limits for konsentrasi		
	Estimate	Lower Bound	Upper Bound
PROBIT .010	2.697	-27.826	13.143
.020	5.385	-22.497	14.971
.030	7.091	-19.120	16.134
.040	8.374	-16.582	17.011
.050	9.417	-14.518	17.726
.060	10.306	-12.764	18.336
.070	11.085	-11.226	18.872
.080	11.782	-9.850	19.352
.090	12.416	-8.600	19.791
.100	13.000	-7.450	20.195
.150	15.417	-2.698	21.877
.200	17.338	1.065	23.229
.250	18.986	4.279	24.402
.300	20.466	7.151	25.470
.350	21.837	9.797	26.476
.400	23.139	12.287	27.450
.450	24.398	14.674	28.415
.500	25.637	16.991	29.397
.550	26.876	19.268	30.419

.600	28.135	21.522	31.517
.650	29.437	23.766	32.737
.700	30.808	26.000	34.155
.750	32.288	28.212	35.883
.800	33.936	30.387	38.095
.850	35.857	32.551	41.045
.900	38.274	34.852	45.179
.910	38.858	35.359	46.226
.920	39.492	35.895	47.379
.930	40.190	36.469	48.661
.940	40.968	37.094	50.110
.950	41.857	37.789	51.779
.960	42.900	38.588	53.759
.970	44.183	39.548	56.215
.980	45.889	40.796	59.507
.990	48.577	42.720	64.739

Probit Transformed Responses



Lampiran 6

Hasil olah data statistik uji probit LT₉₀

Data Information

		N of Cases
Valid		24
Rejected	Missing	0
	Number of Responses > Number of Subjects	0
Control Group		0

Convergence Information

	Number of Iterations	Optimal Solution Found
PROBIT	13	Yes

Parameter Estimates

Parameter	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
PROBIT ^a jam	.132	.013	9.893	.000	.106	.158
Intercept	-2.213	.280	-7.911	.000	-2.493	-1.933

a. PROBIT model: PROBIT(p) = Intercept + BX

Covariances and Correlations of Parameter Estimates

		Jam	Natural Response
PROBIT	Jam	.000	.624
	Natural Response	.000	.003

Natural Response Rate Estimate^a

	Estimate	Std. Error
PROBIT	.000	.052

a. Control group is not provided.

Covariances (below) and Correlations (above).

Chi-Square Tests

		Chi-Square	df ^a	Sig.
PROBIT	Pearson Goodness-of-Fit Test	8.428	21	.993 ^b

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is greater than .500, no heterogeneity factor is used in the calculation of confidence limits.

Cell Counts and Residuals

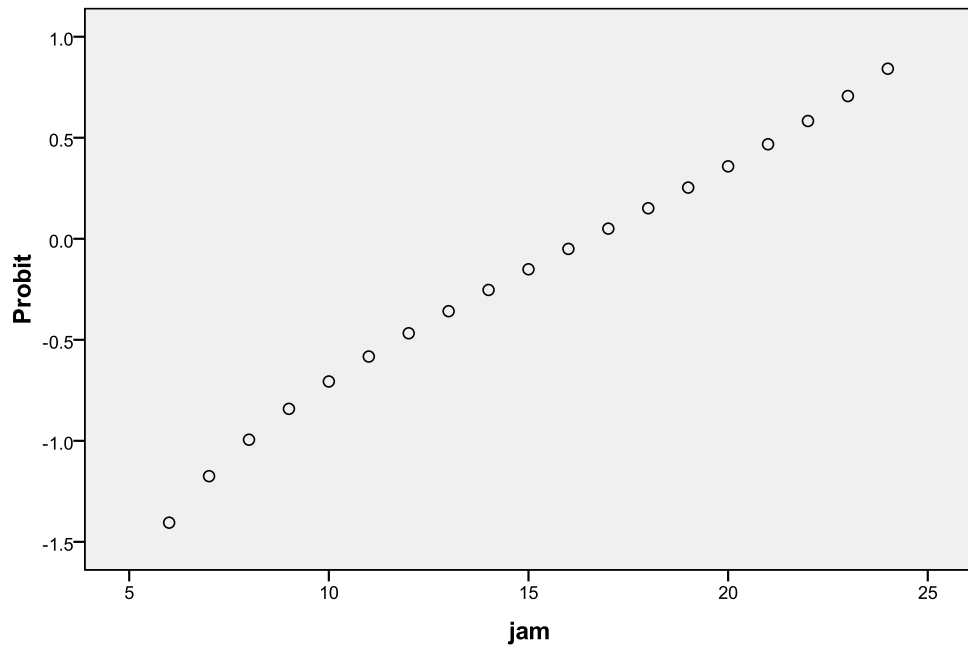
	Number	Jam	Number of Subjects	Observed Responses	Expected Responses	Residual	Probability
PROBIT	1	1.000	25	0	.468	-.468	.019
	2	2.000	25	0	.641	-.641	.026
	3	3.000	25	0	.865	-.865	.035
	4	4.000	25	0	1.150	-1.150	.046
	5	5.000	25	0	1.506	-1.506	.060
	6	6.000	25	2	1.943	.057	.078
	7	7.000	25	3	2.470	.530	.099
	8	8.000	25	4	3.095	.905	.124
	9	9.000	25	5	3.822	1.178	.153
	10	10.000	25	6	4.655	1.345	.186
	11	11.000	25	7	5.592	1.408	.224
	12	12.000	25	8	6.627	1.373	.265
	13	13.000	25	9	7.752	1.248	.310
	14	14.000	25	10	8.953	1.047	.358
	15	15.000	25	11	10.213	.787	.409
	16	16.000	25	12	11.512	.488	.460
	17	17.000	25	13	12.828	.172	.513
	18	18.000	25	14	14.139	-.139	.566
	19	19.000	25	15	15.421	-.421	.617
	20	20.000	25	16	16.654	-.654	.666
	21	21.000	25	17	17.819	-.819	.713
	22	22.000	25	18	18.901	-.901	.756
	23	23.000	25	19	19.888	-.888	.796
	24	24.000	25	20	20.773	-.773	.831

Confidence limit

		95% Confidence Limits for jam		
	Probability	Estimate	Lower Bound	Upper Bound
PROBIT	.010	-.856	-6.163	2.785
	.020	1.207	-3.618	4.535
	.030	2.516	-2.007	5.649
	.040	3.501	-.797	6.489
	.050	4.302	.186	7.173
	.060	4.984	1.022	7.757
	.070	5.581	1.753	8.270
	.080	6.117	2.407	8.730
	.090	6.603	3.001	9.149
	.100	7.052	3.548	9.536
	.150	8.907	5.800	11.145
	.200	10.381	7.578	12.436
	.250	11.646	9.091	13.556
	.300	12.782	10.438	14.574
	.350	13.835	11.673	15.530
	.400	14.833	12.831	16.452
	.450	15.800	13.935	17.359
	.500	16.751	15.004	18.270
	.550	17.702	16.052	19.202
	.600	18.668	17.093	20.172
	.650	19.667	18.143	21.202
	.700	20.720	19.220	22.317
	.750	21.856	20.348	23.553
	.800	23.121	21.568	24.966
	.850	24.595	22.950	26.653
	.900	26.450	24.642	28.824

.910	26.898	25.044	29.354
.920	27.385	25.479	29.933
.930	27.920	25.954	30.571
.940	28.518	26.483	31.287
.950	29.200	27.082	32.107
.960	30.001	27.783	33.073
.970	30.985	28.640	34.267
.980	32.294	29.772	35.859
.990	34.358	31.545	38.381

Probit Transformed Responses



Lampiran 7

DOKUMENTASI



Gambar 1. Penjemuran Daun Tin



Gambar 2. Proses Ekstraksi



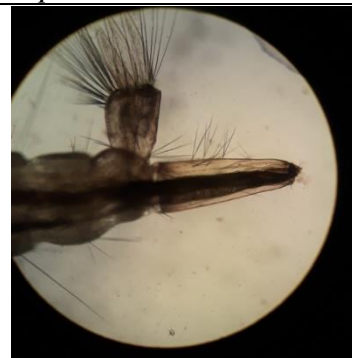
Gambar 3. Pemasangan Ovitrap



Gambar 4. Penetasan Telur Nyamuk *Culex sp*



Gambar 5. Telur *Culex sp*



Gambar 6. Siphon *Culex sp*



Gambar 7. Larva *Culex sp*



Gambar 8. Pemindahan Larva *Culex sp* instar III



Gambar 9. Persiapan Media Uji



Gambar 10. Pengamatan Larva *Culex sp*