

## Lampiran 01.

Tabel 08 : Data Hasil Analisa Uji Pendahuluan Mortalitas *A. aegypti* Karena Pengaruh Larutan Ekstrak Daun *E. crassipes*.

JAM	P E R L A K U A N											
	0 %		5 %		26,25 %		47,5 %		68,75 %		90 %	
	I	II	I	II	I	II	I	II	I	II	I	II
4	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	1	2	1
14	-	-	-	-	-	-	-	-	-	1	1	4
16	-	-	-	-	1	-	1	-	2	2	1	1
20	-	-	2	-	2	-	1	-	1	-	-	2
24	-	-	1	-	1	-	2	-	1	1	3	1
28	-	-	1	-	1	1	-	-	-	2	2	1
32	-	-	1	1	1	3	2	3	2	2	1	-
36	-	-	1	3	2	1	1	3	1	-	-	-
40	-	-	2	-	-	1	1	1	3	-	-	-
44	-	-	1	-	-	-	-	1	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
$\Sigma =$	0	0	9	4	8	6	8	8	10	9	10	10

## Lampiran 02.

Tabel 09 : Data Hasil Analisa Uji Pendahuluan Mortalitas *A. aegypti* Karena Pengaruh Larutan Ekstrak Tangkai Daun *E. crassipes*.

JAM	P E R L A K U A N												
	0 %		5 %		26,25 %		47,5 %		68,75 %		90 %		
	I	II	I	II	I	II	I	II	I	II	I	II	
4	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	1	-	1	-	3	1	-
20	-	-	-	-	1	-	3	-	2	-	1	3	-
24	1	-	1	-	2	1	2	2	3	2	5	1	-
28	-	-	-	1	1	2	1	3	2	4	1	3	-
32	-	-	1	1	2	3	1	1	-	3	-	-	-
36	-	-	1	1	1	-	-	-	-	-	-	-	-
40	-	-	-	2	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
$\Sigma =$	1	0	3	5	7	6	8	6	8	9	10	8	-

## Lampiran 03.

Tabel 10 : Data Hasil Analisis LC 50 - 48 Jam Larutan Ekstrak Daun *E. crassipes*

Ulangan	Konsentrasi Larutan Ekstrak Daun					
	0	5	26,25	47,5	68,75	90
1	0	3	7	5	9	10
2	0	4	5	7	10	8
3	0	4	6	6	10	9
4	0	5	5	7	8	9
5	0	4	7	7	9	10
Jumlah	0	20	30	33	46	46
Rerata	0	4	6	6,4	9,2	9,2

$$FK = \frac{1}{30} \times (175)^2 = 1020,833$$

$$\begin{aligned} JKP &= \frac{1}{5} \times (0^2 + 20^2 + 30^2 + 33^2 + 46^2 + 46^2) - FK \\ &= 1341,2 - 1020,833 \\ &= 320,367 \end{aligned}$$

$$\begin{aligned} JKT &= (0^2 + 3^2 + 7^2 + \dots + 10^2) - FK \\ &= 1341 - 1020,833 \\ &= 320,1667 \end{aligned}$$

$$\begin{aligned} JKG &= JKT - JKP \\ &= 320,1667 - 303,367 \\ &= 16,7997 \end{aligned}$$

Tabel ANOVA

JK	dB	JK	KT	F hit	F tab
Kons Ekstrak	5	303,4	60,4	9742	3,90
Galat	24	16,8	0,7		
Total	29	320,1			

F hitung lebih besar dari F tabel menunjukkan hasil berbeda sangat nyata pada taraf uji 0,01 %, kemudian di lanjutkan dengan uji LSD

$$\begin{aligned} \text{LSD } 0,05 &= t_{0,05} (24) \sqrt{\frac{2 \times 4,783}{5}} \\ &= 2,064 \times 1,383 \\ &= 2,8 \end{aligned}$$

$$\begin{aligned} \text{LSD } 0,01 &= t_{0,01} (24) \sqrt{\frac{2 \times 4,783}{5}} \\ &= 2,797 \times 1,383 \\ &= 3,83 \end{aligned}$$

## Uji LSD

Selesih rerata	5	26,25	47,5	68,75	90
5	-				
26,25	2	-			
47,5	2,4	0,4	-		
68,75	5,2**	3,2**	2,8*	-	
90	5,2**	3,2**	2,8*	0	-

Tanda (\*) menunjukkan perbedaan nyata antar perlakuan  
Tanda (\*\*) menunjukkan perbedaan sangat nyata antar perlakuan

## Lampiran 04

Tabel 11 : Data Hasil Analisis LC 50 - 48 Jam Larutan Ekstrak Tangkai Daun *E. crassipes*

Ulangan	Konsentrasi Larutan Ekstrak Tangkai Daun					
	0	5	26,25	47,5	68,75	90
1	0	4	5	7	8	10
2	0	2	7	8	8	9
3	0	4	6	8	7	8
4	0	2	4	6	9	10
5	0	3	8	7	10	9
Jumlah	0	15	30	35	43	46
Rerata	0	3	6	7	8,6	9,2

$$FK = \frac{1}{30} \times (169)^2 = 952,033$$

$$\begin{aligned} JKP &= \frac{1}{5} \times (0^2 + 34^2 + 34^2 + 33^2 + 31^2 + 37^2) - FK \\ &= 1146,2 - 952,033 \\ &= 194,1667 \end{aligned}$$

$$\begin{aligned} JKT &= (0^2 + 4^2 + 2^2 + \dots + 9^2) - FK \\ &= 1285 - 952,033 \\ &= 332,9667 \end{aligned}$$

$$\begin{aligned} JKG &= JKT - JKP \\ &= 332,9667 - 194,1667 \\ &= 138,799 \end{aligned}$$

Tabel ANOVA

SK	dB	JK	KT	F hit	F tab
Kons ekstrak	5	194,1677	38,833	6,7147	3,9
Galat	24	138,799	5,783		
Total	29	332,9667			

F hitung lebih besar dari F tabel menunjukkan hasil berbeda sangat nyata pada taraf uji 0,01 % , kemudian dilanjutkan dengan uji LSD

$$\begin{aligned} \text{LSD } 0,05 &= t_{0,05} (24) \sqrt{\frac{2 \times 5,783}{5}} \\ &= 2,064 \times 1,383 \\ &= 3,3927 \end{aligned}$$

$$\begin{aligned} \text{LSD } 0,01 &= t_{0,01} (24) \sqrt{\frac{2 \times 5,783}{5}} \\ &= 2,797 \times 1,383 \\ &= 6,473 \end{aligned}$$

Uji LSD

Selesih rerata	5	26,25	47,5	68,75	90
5	-				
26,25	3	-			
47,5	4	1	-		
68,75	5,6*	2,6	1,6	-	
90	6,2*	3,2	2,2	0,6	-

Tanda (\*) menunjukkan perbedaan nyata antar perlakuan

## Lampiran 05

Tabel 12 : Penghitungan Pendugaan LC 50 - 48 Jam Ekstrak  
Daun *E. crassipes*

I	II	III	IV	V	VI	VII	VII	IX
Kon - sen - trasi (%)	Morta litas Ser - angga Uji.	Korek si Morta litas	Log Kon - sen - trasi	Pro - bit Empi- rik.	Pro - bit Diha- rap - kan.	Pro - bit Diker- jakan	Berat	
			x		Y	y	W	y'
90	92	92	1,954	6,41	6,2	6,378	3,70	6,034
68,75	92	92	1,837	6,41	6	6,320	4,39	5,916
47,5	64	64	1,677	5,35	5,8	5,288	5,03	5,753
26,25	60	60	1,419	5,25	5,5	5,244	5,81	5,492
5	40	40	0,699	4,75	4,7	4,748	6,61	4,761
0	0	0	0	0	0	0	0	0

$$SW = 3,70 + 4,39 + 5,03 + 5,81 + 6,61$$

$$= 25,09$$

$$S W x = 7,2298 + 8,0644 + \dots + 4,3058$$

$$= 35,4765$$

$$S W y = 23,5986 + 27,7430 + \dots + 29,2477$$

$$= 137,6556$$

$$\text{Nilai } \bar{x} = \frac{S W x}{S W} = \frac{35,4765}{25,09} = 1,4140$$

$$\text{Nilai } \bar{y} = \frac{S W y}{S W} = \frac{137,6556}{25,09} = 5,4865$$

$$S W x^2 = 14,1270 + 14,8143 + 14,1460 + 10,5591 + 3,0097$$

$$= 56,561$$

$$\begin{aligned} S W x y &= 46,1117 + 50,9589 + 44,6059 + 39,0216 + 20,4439 \\ &= 201,142 \end{aligned}$$

#### Kemiringan Garis Regresi

$$\begin{aligned} b &= \frac{S W x \bar{y} - \bar{x} \cdot S W y}{S W x^2 - \bar{x} \cdot S W x} \\ &= \frac{201,142 - 1,414 \cdot 137,6556}{56,6561 - 1,414 \cdot 35,47656} \\ &= 1,0142 \end{aligned}$$

#### Persamaan Garis Regresi

$$y = a + b \cdot x \quad a = y - b \cdot x$$

$$\begin{aligned} a &= 6,034 - 1,0142 \cdot 1,954 \\ &= 4,053 \end{aligned}$$

$$\text{Jadi } y = 4,053 + 1,0142 \cdot x.$$

#### Nilai LC 50 - 48 Jam

$$\begin{aligned} m &= \bar{x} + \frac{(5 - \bar{y})}{b} = 1,414 + \frac{(5 - 5,4865)}{1,0142} \\ &= 0,9161 \end{aligned}$$



## Lampiran 06

Tabel 13 : Penghitungan Pendugaan LC 50 - 48 Jam Ekstrak Tangkai Daun *E. Crassipes*

I	II	III	IV	V	VI	VII	VII	IX
Kon - sen - trasi (%)	Morta- litas Ser - angga Uji.	Korek si Morta litas	Log Kon - sen - trasi	Pro - bit Empi- rik.	Pro - bit Diha- rap - kan.	Pro - bit Diker- jakan	Berat	
			x		Y	y	W	y'
90	92	92	1,954	6,41	6,1	6,353	4,05	6,119
68,75	86	86	1,837	6,08	5,9	6,064	4,71	5,957
47,5	70	70	1,677	5,52	5,7	5,510	5,32	5,736
26,25	60	60	1,419	5,25	5,3	5,252	6,16	5,379
5	30	30	0,699	4,48	4,4	4,480	5,58	4,383
0	0	0	0	0	0	0	0	0

$$\begin{aligned} SW &= 4,05 + 4,71 + 5,32 + 5,16 + 5,85 \\ &= 25,82 \end{aligned}$$

$$\begin{aligned} S W x &= 7,914 + 8,6524 + \dots + 3,900 \\ &= 38,129 \end{aligned}$$

$$\begin{aligned} S W y &= 25,730 + 28,561 + \dots + 24,998 \\ &= 140,951 \end{aligned}$$

$$\text{Nilai } \bar{x} = \frac{S W x}{S W} = \frac{38,129}{25,82} = 1,477$$

$$\text{Nilai } \bar{y} = \frac{S W y}{S W} = \frac{140,9516}{25,82} = 5,459$$

$$\begin{aligned} S W x^2 &= 15,464 + 15,894 + 14,962 + 12,403 + 2,726 \\ &= 61,449 \end{aligned}$$

$$\begin{aligned} S W x y &= 50,276 + 52,466 + 49,153 + 45,907 + 17,474 \\ &= 215,277 \end{aligned}$$

Kemiringan Garis Regresi

$$\begin{aligned} b &= \frac{S W x \bar{y} - \bar{x} \cdot S W y}{S W x^2 - \bar{x} \cdot S W x} \\ &= \frac{215,277 - 1,477 \cdot 140,9516}{61,449 - 1,477 \cdot 38,1295} \\ &= 1,383 \end{aligned}$$

Persamaan Garis Regresi

$$y = a + b \cdot x \quad a = y - b \cdot x$$

$$\begin{aligned} a &= 6,119 - 1,383 \cdot 1,954 \\ &= 3,418 \end{aligned}$$

$$\text{Jadi } y = 3,418 + 1,383 \cdot x$$

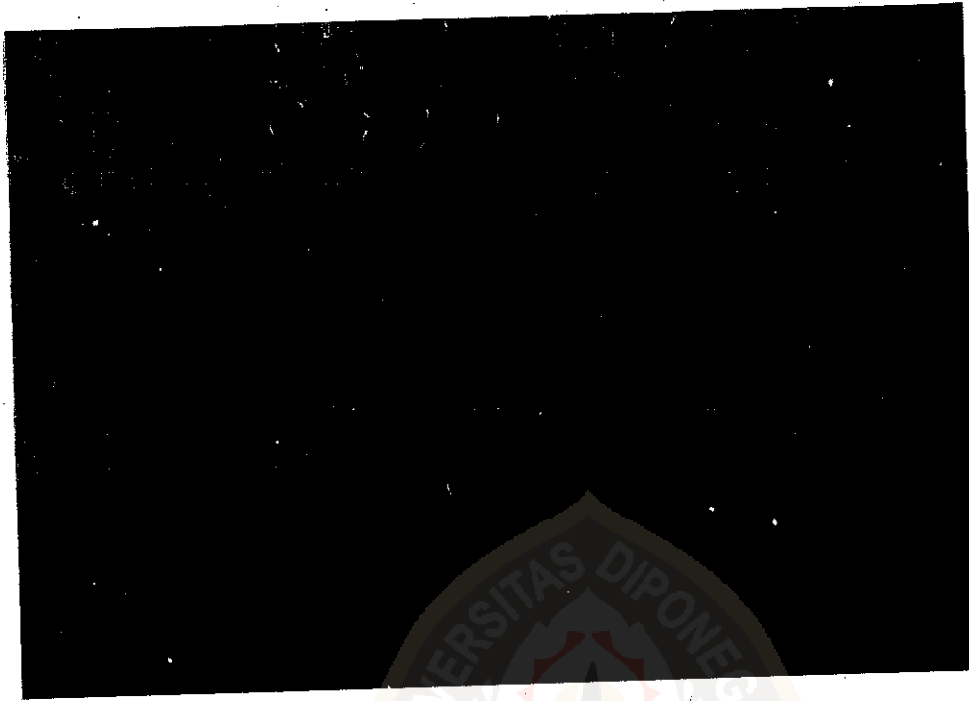
Nilai LC 50 = 48 Jam

$$\begin{aligned} m &= \bar{x} + \frac{(5 - \bar{y})}{b} = 1,477 + \frac{(5 - 5,459)}{1,383} \\ &= 1,145 \end{aligned}$$

$$\text{antilog } m = 13,964$$

Lampiran 09.

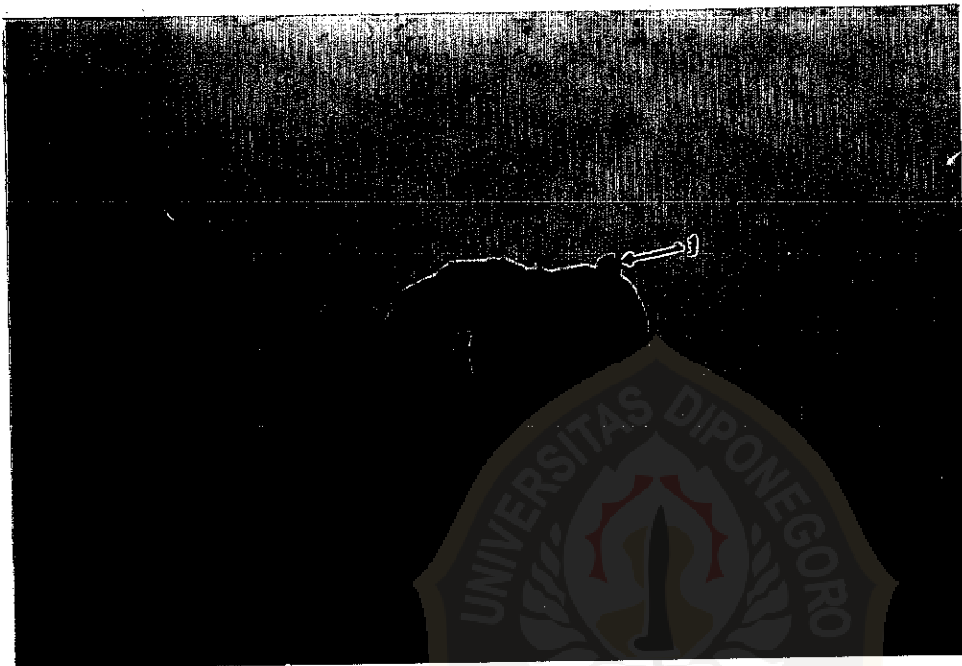
Gambar 05 : Telur *Aedes aegypti* Dengan Perbesaran 60 X.





Lampiran 11.

Gambar 07 : Pupa *Aedes aegypti* Dengan Perbesaran 60 X.



Keterangan Gambar : 1. Siphon  
2. Tracheal Gills