

Lampiran 1

**PERNYATAAN KEASLIAN TULISAN**

Saya yang bertanda tangan dibawah ini:

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menyatakan dengan ini sebenar-benarnya bahwa Tugas Akhir yang saya tulis ini benar-benar hasil karya saya sendiri, bukan merupakan pengambilalihan tulisan atau pikiran orang lain yang saya akui sebagai tulisan atau pikiran saya sendiri. Apabila dikemudian hari terbukti atau dapat dibuktikan Tugas Akhir ini hasil jiplakan, saya bersedia menerima sanksi atas perbuatan tersebut.

Malang, 12 September 2013

Yang membuat pernyataan,

Wiga Cynthia Devie  
NIM. 105070100111060

## Lampiran 2

Tabel 5.1 Pengulangan 1 (Jumlah lalat yang mati)

Pengulangan 1	P1 (10%)	P2 (20%)	P3 (30%)	K+	K-
Jam ke 1	1	2	3	5	0
Jam ke 2	2	3	4	7	0
Jam ke 3	3	4	5	8	0
Jam ke 4	5	6	6	9	0
Jam ke 5	7	7	7	10	0
Jam ke 6	7	8	9	10	0
Jam ke 24	8	9	10	10	0

Tabel 5.2 Pengulangan 2 (Jumlah lalat yang mati)

Pengulangan 2	P1 (10%)	P2 (20%)	P3 (30%)	K+	K-
Jam ke 1	2	3	5	5	0
Jam ke 2	4	5	6	6	0
Jam ke 3	5	6	8	8	0
Jam ke 4	6	7	9	9	0
Jam ke 5	7	8	10	10	0
Jam ke 6	8	9	10	10	0
Jam ke 24	8	10	10	10	0

Tabel 5.3 Pengulangan 3 (Jumlah lalat yang mati)

Pengulangan 3	P1 (10%)	P2 (20%)	P3 (30%)	K+	K-
Jam ke 1	3	4	4	4	0
Jam ke 2	4	5	7	6	0
Jam ke 3	6	6	8	7	0
Jam ke 4	6	8	9	8	0
Jam ke 5	7	8	10	9	0
Jam ke 6	8	9	10	10	0
Jam ke 24	9	9	10	10	0

Tabel 5.4 Pengulangan 4 (Jumlah lalat yang mati)

Pengulangan 4	P1 (10%)	P2 (20%)	P3 (30%)	K+	K-
Jam ke 1	2	3	4	5	0
Jam ke 2	3	5	6	7	0
Jam ke 3	4	6	7	8	0
Jam ke 4	5	8	9	10	0
Jam ke 5	5	9	10	10	0
Jam ke 6	6	10	10	10	0
Jam ke 24	7	10	10	10	0

Lampiran 3

Tabel 5.6

Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

		Dosis	MJ1	MJ2	MJ3	MJ4	MJ5	MJ6	MJ24
N		20	20	20	20	20	20	20	20
Normal Parameters <sup>a,b</sup>	Mean	.1200	2.75	4.00	4.95	6.00	6.70	7.20	7.50
	Std. Deviation	.11965	1.803	2.471	2.929	3.403	3.715	3.861	3.940
Most Extreme Differences	Absolute	.242	.156	.157	.190	.200	.282	.282	.300
	Positive	.242	.136	.147	.155	.161	.187	.234	.263
	Negative	-.158	-.156	-.157	-.190	-.200	-.282	-.282	-.300
Kolmogorov-Smirnov Z		1.082	.697	.703	.850	.894	1.262	1.261	1.344
Asymp. Sig. (2-tailed)		.192	.715	.707	.466	.400	.083	.083	.054

a. Test distribution is Normal.

b. Calculated from data.

Lampiran 4

Tabel 5.7

Oneway



Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
MJ1	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	4.75	.500	.250	3.95	5.55	4	5
	P 1	4	2.00	.816	.408	.70	3.30	1	3
	P 2	4	3.00	.816	.408	1.70	4.30	2	4
	P 3	4	4.00	.816	.408	2.70	5.30	3	5
	Total	20	2.75	1.803	.403	1.91	3.59	0	5
MJ2	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	6.50	.577	.289	5.58	7.42	6	7
	P 1	4	3.25	.957	.479	1.73	4.77	2	4
	P 2	4	4.50	1.000	.500	2.91	6.09	3	5
	P 3	4	5.75	1.258	.629	3.75	7.75	4	7
	Total	20	4.00	2.471	.553	2.84	5.16	0	7
MJ3	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	7.75	.500	.250	6.95	8.55	7	8
	P 1	4	4.50	1.291	.645	2.45	6.55	3	6
	P 2	4	5.50	1.000	.500	3.91	7.09	4	6
	P 3	4	7.00	1.414	.707	4.75	9.25	5	8
	Total	20	4.95	2.929	.655	3.58	6.32	0	8
MJ4	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	9.00	.816	.408	7.70	10.30	8	10
	P 1	4	5.50	.577	.289	4.58	6.42	5	6
	P 2	4	7.25	.957	.479	5.73	8.77	6	8
	P 3	4	8.25	1.500	.750	5.86	10.64	6	9
	Total	20	6.00	3.403	.761	4.41	7.59	0	10
MJ5	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	9.75	.500	.250	8.95	10.55	9	10
	P 1	4	6.50	1.000	.500	4.91	8.09	5	7
	P 2	4	8.00	.816	.408	6.70	9.30	7	9
	P 3	4	9.25	1.500	.750	6.86	11.64	7	10
	Total	20	6.70	3.715	.831	4.96	8.44	0	10
MJ6	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	10.00	.000	.000	10.00	10.00	10	10
	P 1	4	7.25	.957	.479	5.73	8.77	6	8
	P 2	4	9.00	.816	.408	7.70	10.30	8	10
	P 3	4	9.75	.500	.250	8.95	10.55	9	10
	Total	20	7.20	3.861	.863	5.39	9.01	0	10
MJ24	K Neg	4	.00	.000	.000	.00	.00	0	0
	K Pos	4	10.00	.000	.000	10.00	10.00	10	10
	P 1	4	8.00	.816	.408	6.70	9.30	7	9
	P 2	4	9.50	.577	.289	8.58	10.42	9	10
	P 3	4	10.00	.000	.000	10.00	10.00	10	10
	Total	20	7.50	3.940	.881	5.66	9.34	0	10

Lampiran 5

Tabel 5.8

Uji Homogenitas Jumlah Rata-rata Lalat Mati

Test of Homogeneity of Variances

JRLM

Levene Statistic	df 1	df 2	Sig.
2,815	4	15	,063



Lampiran 6

Tabel 5.9  
Uji ANOVA

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
MJ1	Between Groups	55.000	4	13.750	30.556	.000
	Within Groups	6.750	15	.450		
	Total	61.750	19			
MJ2	Between Groups	104.500	4	26.125	34.076	.000
	Within Groups	11.500	15	.767		
	Total	116.000	19			
MJ3	Between Groups	148.200	4	37.050	37.678	.000
	Within Groups	14.750	15	.983		
	Total	162.950	19			
MJ4	Between Groups	207.500	4	51.875	62.250	.000
	Within Groups	12.500	15	.833		
	Total	220.000	19			
MJ5	Between Groups	249.700	4	62.425	74.910	.000
	Within Groups	12.500	15	.833		
	Total	262.200	19			
MJ6	Between Groups	277.700	4	69.425	189.341	.000
	Within Groups	5.500	15	.367		
	Total	283.200	19			
MJ24	Between Groups	292.000	4	73.000	365.000	.000
	Within Groups	3.000	15	.200		
	Total	295.000	19			

Lampiran 7

Pos Hoc test

Jam ke-1

Multiple Comparisons

Dependent Variable: MJ1

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-4.750*	.474	.000	-6.21	-3.29
	P 1	-2.000*	.474	.006	-3.46	-.54
	P 2	-3.000*	.474	.000	-4.46	-1.54
	P 3	-4.000*	.474	.000	-5.46	-2.54
K Pos	K Neg	4.750*	.474	.000	3.29	6.21
	P 1	2.750*	.474	.000	1.29	4.21
	P 2	1.750*	.474	.016	.29	3.21
	P 3	.750	.474	.530	-.71	2.21
P 1	K Neg	2.000*	.474	.006	.54	3.46
	K Pos	-2.750*	.474	.000	-4.21	-1.29
	P 2	-1.000	.474	.267	-2.46	.46
	P 3	-2.000*	.474	.006	-3.46	-.54
P 2	K Neg	3.000*	.474	.000	1.54	4.46
	K Pos	-1.750*	.474	.016	-3.21	-.29
	P 1	1.000	.474	.267	-.46	2.46
	P 3	-1.000	.474	.267	-2.46	.46
P 3	K Neg	4.000*	.474	.000	2.54	5.46
	K Pos	-.750	.474	.530	-2.21	.71
	P 1	2.000*	.474	.006	.54	3.46
	P 2	1.000	.474	.267	-.46	2.46

\*. The mean difference is significant at the .05 level.

Homogeneous Subsets



**MJ1**

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05			
		1	2	3	4
K Neg	4	.00			
P 1	4		2.00		
P 2	4		3.00	3.00	
P 3	4			4.00	4.00
K Pos	4				4.75
Sig.		1.000	.267	.267	.530

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

**Pos Hoc test**

**Jam ke-2**

**Multiple Comparisons**

Dependent Variable: MJ2

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-6.500*	.619	.000	-8.41	-4.59
	P 1	-3.250*	.619	.001	-5.16	-1.34
	P 2	-4.500*	.619	.000	-6.41	-2.59
	P 3	-5.750*	.619	.000	-7.66	-3.84
K Pos	K Neg	6.500*	.619	.000	4.59	8.41
	P 1	3.250*	.619	.001	1.34	5.16
	P 2	2.000*	.619	.038	.09	3.91
	P 3	.750	.619	.745	-1.16	2.66
P 1	K Neg	3.250*	.619	.001	1.34	5.16
	K Pos	-3.250*	.619	.001	-5.16	-1.34
	P 2	-1.250	.619	.304	-3.16	.66
	P 3	-2.500*	.619	.008	-4.41	-.59
P 2	K Neg	4.500*	.619	.000	2.59	6.41
	K Pos	-2.000*	.619	.038	-3.91	-.09
	P 1	1.250	.619	.304	-.66	3.16
	P 3	-1.250	.619	.304	-3.16	.66
P 3	K Neg	5.750*	.619	.000	3.84	7.66
	K Pos	-.750	.619	.745	-2.66	1.16
	P 1	2.500*	.619	.008	.59	4.41
	P 2	1.250	.619	.304	-.66	3.16

\*. The mean difference is significant at the .05 level.

**Homogeneous Subsets**



**MJ2**

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05			
		1	2	3	4
K Neg	4	.00			
P 1	4		3.25		
P 2	4		4.50	4.50	
P 3	4			5.75	5.75
K Pos	4				6.50
Sig.		1.000	.304	.304	.745

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

**Pos Hoc test**

**Jam ke-3**

**Multiple Comparisons**

Dependent Variable: MJ3

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-7.750*	.701	.000	-9.92	-5.58
	P 1	-4.500*	.701	.000	-6.67	-2.33
	P 2	-5.500*	.701	.000	-7.67	-3.33
	P 3	-7.000*	.701	.000	-9.17	-4.83
K Pos	K Neg	7.750*	.701	.000	5.58	9.92
	P 1	3.250*	.701	.003	1.08	5.42
	P 2	2.250*	.701	.040	.08	4.42
	P 3	.750	.701	.819	-1.42	2.92
P 1	K Neg	4.500*	.701	.000	2.33	6.67
	K Pos	-3.250*	.701	.003	-5.42	-1.08
	P 2	-1.000	.701	.621	-3.17	1.17
	P 3	-2.500*	.701	.020	-4.67	-.33
P 2	K Neg	5.500*	.701	.000	3.33	7.67
	K Pos	-2.250*	.701	.040	-4.42	-.08
	P 1	1.000	.701	.621	-1.17	3.17
	P 3	-1.500	.701	.255	-3.67	.67
P 3	K Neg	7.000*	.701	.000	4.83	9.17
	K Pos	-.750	.701	.819	-2.92	1.42
	P 1	2.500*	.701	.020	.33	4.67
	P 2	1.500	.701	.255	-.67	3.67

\*. The mean difference is significant at the .05 level.



### Homogeneous Subsets

#### MJ3

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05			
		1	2	3	4
K Neg	4	.00			
P 1	4		4.50		
P 2	4		5.50	5.50	
P 3	4			7.00	7.00
K Pos	4				7.75
Sig.		1.000	.621	.255	.819

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

### Pos Hoc test

#### Jam ke-4

#### Multiple Comparisons

Dependent Variable: MJ4

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-9.000*	.645	.000	-10.99	-7.01
	P 1	-5.500*	.645	.000	-7.49	-3.51
	P 2	-7.250*	.645	.000	-9.24	-5.26
	P 3	-8.250*	.645	.000	-10.24	-6.26
K Pos	K Neg	9.000*	.645	.000	7.01	10.99
	P 1	3.500*	.645	.001	1.51	5.49
	P 2	1.750	.645	.099	-.24	3.74
	P 3	.750	.645	.772	-1.24	2.74
P 1	K Neg	5.500*	.645	.000	3.51	7.49
	K Pos	-3.500*	.645	.001	-5.49	-1.51
	P 2	-1.750	.645	.099	-3.74	.24
	P 3	-2.750*	.645	.005	-4.74	-.76
P 2	K Neg	7.250*	.645	.000	5.26	9.24
	K Pos	-1.750	.645	.099	-3.74	.24
	P 1	1.750	.645	.099	-.24	3.74
	P 3	-1.000	.645	.549	-2.99	.99
P 3	K Neg	8.250*	.645	.000	6.26	10.24
	K Pos	-.750	.645	.772	-2.74	1.24
	P 1	2.750*	.645	.005	.76	4.74
	P 2	1.000	.645	.549	-.99	2.99

\*. The mean difference is significant at the .05 level.

### Homogeneous Subsets

#### MJ4

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05		
		1	2	3
K Neg	4	.00		
P 1	4		5.50	
P 2	4		7.25	7.25
P 3	4			8.25
K Pos	4			9.00
Sig.		1.000	.099	.099

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

### Pos Hoc test

#### Jam ke-5

#### Multiple Comparisons

Dependent Variable: MJ5

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-9.750*	.645	.000	-11.74	-7.76
	P 1	-6.500*	.645	.000	-8.49	-4.51
	P 2	-8.000*	.645	.000	-9.99	-6.01
	P 3	-9.250*	.645	.000	-11.24	-7.26
K Pos	K Neg	9.750*	.645	.000	7.76	11.74
	P 1	3.250*	.645	.001	1.26	5.24
	P 2	1.750	.645	.099	-.24	3.74
	P 3	.500	.645	.934	-1.49	2.49
P 1	K Neg	6.500*	.645	.000	4.51	8.49
	K Pos	-3.250*	.645	.001	-5.24	-1.26
	P 2	-1.500	.645	.191	-3.49	.49
	P 3	-2.750*	.645	.005	-4.74	-.76
P 2	K Neg	8.000*	.645	.000	6.01	9.99
	K Pos	-1.750	.645	.099	-3.74	.24
	P 1	1.500	.645	.191	-.49	3.49
	P 3	-1.250	.645	.341	-3.24	.74
P 3	K Neg	9.250*	.645	.000	7.26	11.24
	K Pos	-.500	.645	.934	-2.49	1.49
	P 1	2.750*	.645	.005	.76	4.74
	P 2	1.250	.645	.341	-.74	3.24

\*. The mean difference is significant at the .05 level.



**Homogeneous Subsets**

**MJ5**

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05		
		1	2	3
K Neg	4	.00		
P 1	4		6.50	
P 2	4		8.00	8.00
P 3	4			9.25
K Pos	4			9.75
Sig.		1.000	.191	.099

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

**Pos Hoc test**

**Jam ke-6**

**Multiple Comparisons**

Dependent Variable: MJ6

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-10.000*	.428	.000	-11.32	-8.68
	P 1	-7.250*	.428	.000	-8.57	-5.93
	P 2	-9.000*	.428	.000	-10.32	-7.68
	P 3	-9.750*	.428	.000	-11.07	-8.43
K Pos	K Neg	10.000*	.428	.000	8.68	11.32
	P 1	2.750*	.428	.000	1.43	4.07
	P 2	1.000	.428	.187	-.32	2.32
	P 3	.250	.428	.975	-1.07	1.57
P 1	K Neg	7.250*	.428	.000	5.93	8.57
	K Pos	-2.750*	.428	.000	-4.07	-1.43
	P 2	-1.750*	.428	.007	-3.07	-.43
	P 3	-2.500*	.428	.000	-3.82	-1.18
P 2	K Neg	9.000*	.428	.000	7.68	10.32
	K Pos	-1.000	.428	.187	-2.32	.32
	P 1	1.750*	.428	.007	.43	3.07
	P 3	-.750	.428	.435	-2.07	.57
P 3	K Neg	9.750*	.428	.000	8.43	11.07
	K Pos	-.250	.428	.975	-1.57	1.07
	P 1	2.500*	.428	.000	1.18	3.82
	P 2	.750	.428	.435	-.57	2.07

\*. The mean difference is significant at the .05 level.



**Homogeneous Subsets**

**MJ6**

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05		
		1	2	3
K Neg	4	.00		
P 1	4		7.25	
P 2	4			9.00
P 3	4			9.75
K Pos	4			10.00
Sig.		1.000	1.000	.187

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

**Pos Hoc test**

**Jam ke-24**

**Multiple Comparisons**

Dependent Variable: MJ24

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-10.000*	.316	.000	-10.98	-9.02
	P 1	-8.000*	.316	.000	-8.98	-7.02
	P 2	-9.500*	.316	.000	-10.48	-8.52
	P 3	-10.000*	.316	.000	-10.98	-9.02
K Pos	K Neg	10.000*	.316	.000	9.02	10.98
	P 1	2.000*	.316	.000	1.02	2.98
	P 2	.500	.316	.530	-.48	1.48
	P 3	.000	.316	1.000	-.98	.98
P 1	K Neg	8.000*	.316	.000	7.02	8.98
	K Pos	-2.000*	.316	.000	-2.98	-1.02
	P 2	-1.500*	.316	.002	-2.48	-.52
	P 3	-2.000*	.316	.000	-2.98	-1.02
P 2	K Neg	9.500*	.316	.000	8.52	10.48
	K Pos	-.500	.316	.530	-1.48	.48
	P 1	1.500*	.316	.002	.52	2.48
	P 3	-.500	.316	.530	-1.48	.48
P 3	K Neg	10.000*	.316	.000	9.02	10.98
	K Pos	.000	.316	1.000	-.98	.98
	P 1	2.000*	.316	.000	1.02	2.98
	P 2	.500	.316	.530	-.48	1.48

\*. The mean difference is significant at the .05 level.



**Homogeneous Subsets**

MJ24

Tukey HSD<sup>a</sup>

Kelompok	N	Subset for alpha = .05		
		1	2	3
K Neg	4	.00		
P 1	4		8.00	
P 2	4			9.50
K Pos	4			10.00
P 3	4			10.00
Sig.		1.000	1.000	.530

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.



Lampiran 8

CORRELATIONS

Correlations

		Lalat Mati
Waktu	Pearson Correlation	.307
	Sig. (2-tailed)	.112
	N	28
Dosis	Pearson Correlation	.787**
	Sig. (2-tailed)	.000
	N	28

\*\* . Correlation is significant at the 0.01 level

REGRESSION

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.845 <sup>a</sup>	.714	.691	1.974

a. Predictors: (Constant), Dosis, Waktu

ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	242.798	2	121.399	31.141	.000 <sup>a</sup>
	Residual	97.459	25	3.898		
	Total	340.257	27			

a. Predictors: (Constant), Dosis, Waktu

b. Dependent Variable: Lalat Mati

Coefficients<sup>c</sup>

Model		Unstandardized Coefficients		Standardize Coefficients	t	Sig.	Correlations		
		B	Std. Error	Beta			Zero-order	Partial	Part
1	(Constant)	.302	.705		.429	.672			
	Waktu	.146	.051	.307	2.869	.008	.307	.498	.307
	Dosi	3.337	0.536	.787	7.352	.000	.787	.827	.787

a. Dependent Variable: Lalat

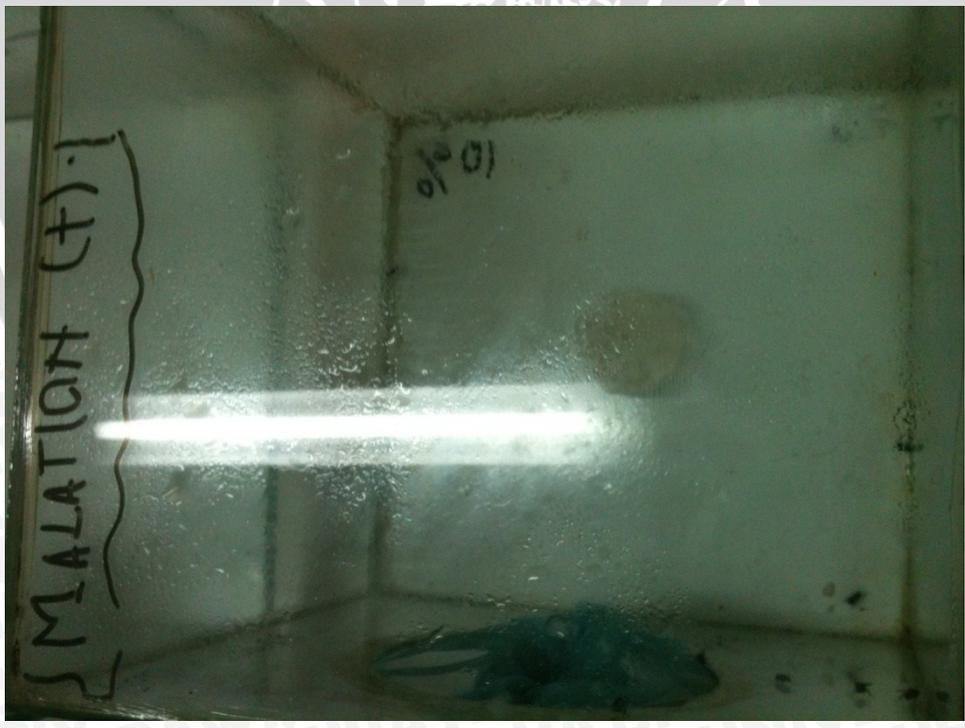


Lampiran 9

Gambar



Gambar alat dan bahan



Kandang yang di semprot malation



Kandang yang disemprot sirih merah

