

APPENDIX 1

The Testing of Assumption

1. Data Description

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
hour1	20	100,0%	0	0,0%	20	100,0%
hour2	20	100,0%	0	0,0%	20	100,0%
hour3	20	100,0%	0	0,0%	20	100,0%
hour4	20	100,0%	0	0,0%	20	100,0%
hour5	20	100,0%	0	0,0%	20	100,0%
hour6	20	100,0%	0	0,0%	20	100,0%
hour24	20	100,0%	0	0,0%	20	100,0%

2. Number of dead flies in the experiment research

Observation Times	Repetition	Insecticidal potentials				
		10%	20%	30%	Positive control	Negative control
1 hour	1	0	2	3	7	0
	2	1	4	4	7	0
	3	0	3	5	7	0
	4	2	2	4	7	0
	Mean	0.75	2.75	4	7	0
	st.dev	0.95	0.95	0.81	0	0
2 hour	1	0	3	4	10	0
	2	1	4	5	10	0
	3	1	3	5	10	0
	4	3	3	6	10	0
	mean	1.25	3.25	5	10	0
	st.dev	1.25	0.5	0.81	0	0
3 hour	1	1	5	5	10	0
	2	3	5	6	10	0
	3	2	4	7	10	0
	4	3	4	6	10	0
	mean	2.25	4.5	6	10	0



	st.dev	0.95	0.57	0.81	0	0
4 hour	1	3	5	7	10	0
	2	4	6	7	10	0
	3	4	7	7	10	0
	4	5	5	6	10	0
	mean	4	5.75	6.75	10	0
	st.dev	0.81	0.95	0.5	0	0
5 hour	1	3	5	8	10	0
	2	6	8	7	10	0
	3	5	8	9	10	0
	hour4	5	6	8	10	0
	Mea n	4.75	6.75	8	10	0
	st.dev	1.25	1.5	0.81	0	0
6 hour	1	7	8	8	10	0
	2	7	9	8	10	0
	3	5	8	9	10	0
	4	6	6	9	10	0
	mean	6.2	7.75	8.5	10	0
	st.dev	0.95	1.25	0.57	0	0
24 hour	1	7	9	10	10	0
	2	8	10	10	10	0
	3	7	10	10	10	0
	4	9	8	10	10	0
	rerata	7.75	9.25	10	10	0
	st.dev	0.95	0.95	0	0	0

3. Insecticidal potentials in experiment (Abbot's formula)

Observation Times	Repetition	Insecticidal potentials				
		10%	20%	30%	Positive control	Negative control
1 hour	1	0	20	30	70	0
	2	10	40	40	70	0
	3	0	30	50	70	0
	4	20	20	40	70	0
	Mean	7.5	27.5	40	70	0
	st.dev	9.5	9.5	8.1	0	0
2 hour	1	0	30	40	100	0
	2	10	40	50	100	0

	3	10	30	50	100	0
	4	30	30	60	100	0
	mean	12.5	32.5	50	100	0
	st.dev	12.5	5	8.1	0	0
3 hour	1	10	50	50	100	0
	2	30	50	60	100	0
	3	20	40	70	100	0
	4	30	40	60	100	0
	mean	22.5	45	60	100	0
	st.dev	9.5	5.7	8.1	0	0
4 hour	1	30	50	70	100	0
	2	40	60	70	100	0
	3	40	70	70	100	0
	4	50	50	60	100	0
	mean	40	57.5	67.5	100	0
	st.dev	8.1	9.5	5	0	0
5 hour	1	30	50	80	100	0
	2	60	80	70	100	0
	3	50	80	90	100	0
	4	50	60	80	100	0
	mean	47.5	67.5	80	100	0
	st.dev	12.5	15	8.1	0	0
6 hour	1	70	80	80	100	0
	2	70	90	80	100	0
	3	50	80	90	100	0
	4	60	60	90	100	0
	mean	62	77.5	85	100	0
	st.dev	9.5	12.5	5.7	0	0
24 hour	1	70	90	100	100	0
	2	80	100	100	100	0
	3	70	100	100	100	0
	4	90	80	100	100	0
	rerata	77.5	92.5	100	100	0
	st.dev	9.5	9.5	0	0	0

4. Test of Normality

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	Df	Sig.
hour1	,196	20	,042	,809	20	,011
hour2	,153	20	,200 [*]	,853	20	,006
hour3	,139	20	,200 [*]	,905	20	,050
hour4	,139	20	,200 [*]	,904	20	,048
hour5	,170	20	,131	,870	20	,012
hour6	,211	20	,020	,797	20	,001
hour24	,261	20	,001	,660	20	,000

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

a. Lilliefors Significance Correction

1. Test of Homogeneity of Variances

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
hour1	4,313	4	15	,016
hour2	2,837	4	15	,062
hour3	4,500	4	15	,014
hour4	3,778	4	15	,026
hour5	5,647	4	15	,006
hour6	4,629	4	15	,012
hour24	10,125	4	15	,000

APPENDIX 2
Non Parametric Tests

1. Kruskal Wallis Test

Ranks			
treatments	N	Mean Rank	
hour1	Negative Control	4	3,50
	10 % concentration	4	5,75
	20 % concentration	4	10,88
	30 % concentration	4	13,88
	Positive Control	4	18,50
	Total	20	
hour2	Negative Control	4	3,00
	10 % concentration	4	6,38
	20 % concentration	4	10,25
	30 % concentration	4	14,38
	Positive Control	4	18,50
	Total	20	
hour3	Negative Control	4	2,50
	10 % concentration	4	6,50
	20 % concentration	4	10,75
	30 % concentration	4	14,25
	Positive Control	4	18,50
	Total	20	
hour4	Negative Control	4	2,50
	10 % concentration	4	6,75
	20 % concentration	4	11,00
	30 % concentration	4	13,75
	Positive Control	4	18,50
	Total	20	
hour5	Negative Control	4	2,50
	10 % concentration	4	7,13
	20 % concentration	4	10,88
	30 % concentration	4	13,50
	Positive Control	4	18,50
	Total	20	
hour6	Negative Control	4	2,50

	treatments	N	Mean rank
	10 % concentration	4	7,13
	20 % concentration	4	11,13
	30 % concentration	4	13,25
	Positive Control	4	18,50
	Total	20	
hour24	Negative Control	4	2,50
	10 % concentration	4	7,00
	20 % concentration	4	12,00
	30 % concentration	4	15,50
	Positive Control	4	15,50
	Total	20	

Kruskal wallis test (continued)

Test Statistics^{a,b}

	hour1	hour2	hour3	hour4	hour5	hour6	hour24
Chi-Square	17,522	17,992	18,446	17,957	17,434	17,308	16,955
df	4	4	4	4	4	4	4
Asymp. Sig.	,002	,001	,001	,001	,002	,002	,002

a. Kruskal Wallis Test

b. Grouping Variable: treatments

2. Mann Whitney Test

Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	Negative Control	4	3,50	14,00
	10 % concentration	4	5,50	22,00
	Total	8		
hour2	Negative Control	4	3,00	12,00
	10 % concentration	4	6,00	24,00
	Total	8		
hour3	Negative Control	4	2,50	10,00
	10 % concentration	4	6,50	26,00
	Total	8		
hour4	Negative Control	4	2,50	10,00
	10 % concentration	4	6,50	26,00
	Total	8		
hour5	Negative Control	4	2,50	10,00



	treatments	N	Mean rank	Sum of ranks
	10 % concentration	4	6,50	26,00
	Total	8		
	hour6			
hour6	Negative Control	4	2,50	10,00
	10 % concentration	4	6,50	26,00
	Total	8		
hour24	Negative Control	4	2,50	10,00
	10 % concentration	4	6,50	26,00
	Total	8		

Mann Whitney test
(continued)

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	4,000	2,000	,000	,000	,000	,000
Wilcoxon W	14,000	12,000	10,000	10,000	10,000	10,000
Z	-1,512	-2,000	-2,477	-2,477	-2,477	-2,477
Asymp. Sig. (2-tailed)	,131	,046	,013	,013	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,343 ^b	,114 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		
hour2	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		
hour3	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		



	Treatments	N	Mean rank	Sum of ranks
hour4	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		
hour5	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		
hour6	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		
hour24	Negative Control	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,477	-2,530	-2,494	-2,477	-2,477	-2,477
Asymp. Sig. (2-tailed)	,013	,011	,013	,013	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour2	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00



	treatments	N	Mean of rank	Sum of ranks
	Total	8		
hour3	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour4	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour5	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour6	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour24	Negative Control	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,477	-2,477	-2,477	-2,530	-2,477	-2,494
Asymp. Sig. (2-tailed)	,013	,013	,013	,011	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,646
Asymp. Sig. (2-tailed)	,008
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.



Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour2	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour3	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour4	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour5	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour6	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour24	Negative Control	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,646	-2,646	-2,646	-2,646	-2,646	-2,646
Asymp. Sig. (2-tailed)	,008	,008	,008	,008	,008	,008
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b



Test Statistics^a

	hour24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,646
Asymp. Sig. (2-tailed)	,008
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	10 % concentration	4	2,75	11,00
	20 % concentration	4	6,25	25,00
	Total	8		
hour2	10 % concentration	4	2,88	11,50
	20 % concentration	4	6,13	24,50
	Total	8		
hour3	10 % concentration	4	2,50	10,00
	20 % concentration	4	6,50	26,00
	Total	8		
hour4	10 % concentration	4	2,75	11,00
	20 % concentration	4	6,25	25,00
	Total	8		
hour5	10 % concentration	4	3,13	12,50
	20 % concentration	4	5,88	23,50
	Total	8		
hour6	10 % concentration	4	3,13	12,50
	20 % concentration	4	5,88	23,50
	Total	8		
hour24	10 % concentration	4	3,00	12,00
	20 % concentration	4	6,00	24,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	1,000	1,500	,000	1,000	2,500	2,500



	hour 1	hour 2	hour 3	hour 4	hour 5	hour 6
Wilcoxon W	11,000	11,500	10,000	11,000	12,500	12,500
Z	-2,084	-2,013	-2,352	-2,084	-1,648	-1,617
Asymp. Sig. (2-tailed)	,037	,044	,019	,037	,099	,106
Exact Sig. [2*(1-tailed Sig.)]	,057 ^b	,057 ^b	,029 ^b	,057 ^b	,114 ^b	,114 ^b

Test Statistics^a

	hour24
Mann-Whitney U	2,000
Wilcoxon W	12,000
Z	-1,775
Asymp. Sig. (2-tailed)	,076
Exact Sig. [2*(1-tailed Sig.)]	,114 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour2	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour3	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour4	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour5	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour6	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00
	Total	8		
hour24	10 % concentration	4	2,50	10,00
	30 % concentration	4	6,50	26,00



treatments	N	Mean rank	Sum of ranks
Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,337	-2,337	-2,337	-2,381	-2,337	-2,352
Asymp. Sig. (2-tailed)	,019	,019	,019	,017	,019	,019
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	Treatments	N	Mean Rank	Sum of Ranks
hour1	10 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour2	10 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour3	10 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour4	10 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour5	10 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour6	10 % concentration	4	2,50	10,00

	treatments	N	Mean rank	Sum of ranks
	Positive Control	4	6,50	26,00
	Total	8		
hour24	10 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,477	-2,477	-2,477	-2,477	-2,477	-2,477
Asymp. Sig. (2-tailed)	,013	,013	,013	,013	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	Treatments	N	Mean Rank	Sum of Ranks
hour1	20 % concentration	4	3,13	12,50
	30 % concentration	4	5,88	23,50
	Total	8		
hour2	20 % concentration	4	2,63	10,50
	30 % concentration	4	6,38	25,50
	Total	8		
hour3	20 % concentration	4	2,75	11,00
	30 % concentration	4	6,25	25,00
	Total	8		
hour4	20 % concentration	4	3,25	13,00
	30 % concentration	4	5,75	23,00
	Total	8		



	Treatments	N	Mean rank	Sum of ranks
hour5	20 % concentration	4	3,50	14,00
	30 % concentration	4	5,50	22,00
	Total	8		
hour6	20 % concentration	4	3,75	15,00
	30 % concentration	4	5,25	21,00
	Total	8		
hour24	20 % concentration	4	3,50	14,00
	30 % concentration	4	5,50	22,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	2,500	,500	1,000	3,000	4,000	5,000
Wilcoxon W	12,500	10,500	11,000	13,000	14,000	15,000
Z	-1,648	-2,247	-2,097	-1,559	-1,230	-,949
Asymp. Sig. (2-tailed)	,099	,025	,036	,119	,219	,343
Exact Sig. [2*(1-tailed Sig.)]	,114 ^b	,029 ^b	,057 ^b	,200 ^b	,343 ^b	,486 ^b

Test Statistics^a

	hour24
Mann-Whitney U	4,000
Wilcoxon W	14,000
Z	-1,512
Asymp. Sig. (2-tailed)	,131
Exact Sig. [2*(1-tailed Sig.)]	,343 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	Treatments	N	Mean Rank	Sum of Ranks
hour1	20 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour2	20 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour3	20 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00



	treatments	N	Mean rank	Sum of ranks
	Total	8		
hour4	20 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour5	20 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour6	20 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour24	20 % concentration	4	3,50	14,00
	Positive Control	4	5,50	22,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,477	-2,530	-2,494	-2,477	-2,477	-2,477
Asymp. Sig. (2-tailed)	,013	,011	,013	,013	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	4,000
Wilcoxon W	14,000
Z	-1,512
Asymp. Sig. (2-tailed)	,131
Exact Sig. [2*(1-tailed Sig.)]	,343 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.

Ranks

	treatments	N	Mean Rank	Sum of Ranks
hour1	30 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour2	30 % concentration	4	2,50	10,00



	treatments	N	Mean rank	Sum of ranks
	Positive Control	4	6,50	26,00
	Total	8		
hour3	30 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour4	30 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour5	30 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour6	30 % concentration	4	2,50	10,00
	Positive Control	4	6,50	26,00
	Total	8		
hour24	30 % concentration	4	4,50	18,00
	Positive Control	4	4,50	18,00
	Total	8		

Test Statistics^a

	hour1	hour2	hour3	hour4	hour5	hour6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,477	-2,477	-2,477	-2,530	-2,477	-2,494
Asymp. Sig. (2-tailed)	,013	,013	,013	,011	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	hour24
Mann-Whitney U	8,000
Wilcoxon W	18,000
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^b

a. Grouping Variable: treatments

b. Not corrected for ties.



**APPENDIX 3
CORRELATIONS TEST**

1. Extract Concentrations >> Insecticidal Potentials

Correlations

			extract_concentrations	insecticidal_potentials
Spearman's rho	extract_concentrations	Correlation Coefficient	1,000	,909**
		Sig. (1-tailed)	.	,000
		N	20	20
	insecticidal_potentials	Correlation Coefficient	,909**	1,000
		Sig. (1-tailed)	,000	.
		N	20	20

** . Correlation is significant at the 0.01 level (1-tailed).

2. Time Observations >> Insecticidal Potentials

Correlations

			time_observation	insecticidal_potentials
Spearman's rho	time_observation	Correlation Coefficient	1,000	,957**
		Sig. (1-tailed)	.	,000
		N	28	28
	insecticidal_potentials	Correlation Coefficient	,957**	1,000
		Sig. (1-tailed)	,000	.
		N	28	28

** . Correlation is significant at the 0.01 level (1-tailed).



Appendix 4
Research Photos

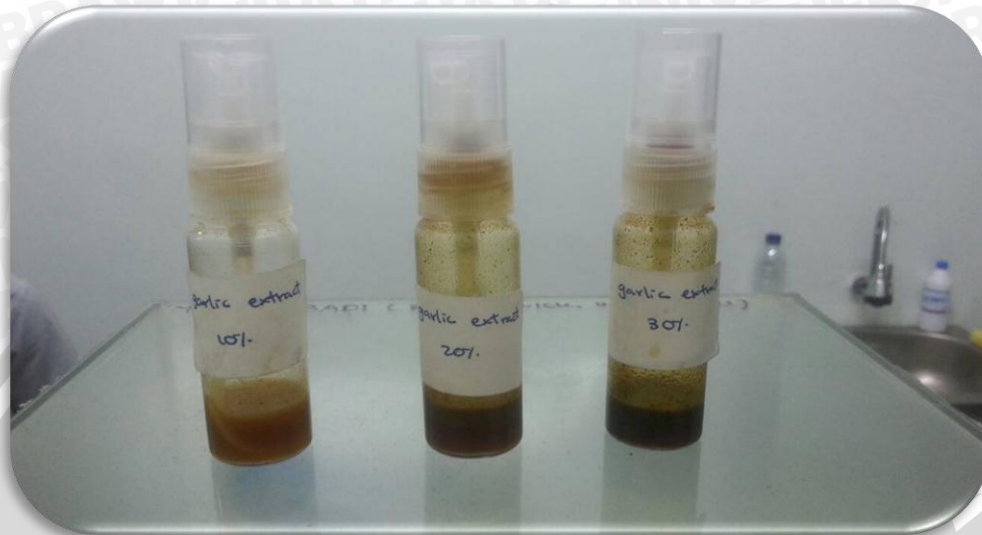


Figure 1. Preparing And Diluting The Ethanol Extract Of Garlic To Get The Required Amount Of Concentrations



Figure 2. Observing the number of dead flies according to the time intervals - 1 hour, 2 hour, 3 hour, 4 hour, 5 hour, 6 hour and 24 hour

Appendix 5

Research result data

After/ Time (Hour)	Number of dead <i>Chrysomya</i>													
	Negative Control (water)	Positive Control (Malathione)	10% of garlic extract				20% of garlic extract				30% of garlic extract			
			E1	E2	E3	E4	E1	E2	E3	E4	E1	E2	E3	E4
1	0	7	0	1	0	2	2	4	3	2	3	4	5	4
2	0	10	0	1	1	3	3	4	3	3	4	5	5	6
3	0	10	1	3	2	3	5	5	4	4	5	6	7	6
4	0	10	3	4	4	5	5	6	7	5	7	7	7	6
5	0	10	3	6	5	5	5	8	8	6	8	7	9	8
6	0	10	7	7	5	6	8	9	8	6	8	8	9	9
24	0	10	7	8	7	9	9	10	10	8	10	10	10	10