Lampiran 1

PEMERINTAH PROVINSI JAWA TIMUR

DINAS KESEHATAN

Jl. Jend. A. Yani No.118 Telp. 8280356 – 8280660 – 8280713 Fax (031) 8290423 Surabaya 60231

HASIL UJI PENGARUH KONSENTRASI PERASAN DAUN SIRIH (*Piper battle L*) TERHADAP KEMATIAN LARVA *Aedes aegypti* DI LABORATORIUM ENTOMOLOOGI DINAS KESEHATAN PROVINSI JAWA TIMUR PADA TANGGAL 14 S/D 16 MEI 2012

Nama Peneliti : Erlita Asri Dewi

Pekerjaan : MahasiswaJurusan Analis Kesehahatan , Universitas Muhammadiyah Surabaya

Tempat Penelitian : Laboratorium Entomologi Dinas Kesehatan Provinsi Jawa Timur Jl. A. Yani No. 118 Surabaya

Judul KTI : Pengaruh Konsentrasi Perasan Daun Sirih (*Piper betle L*) Terhadap Kematian Larva *Aedes aegypti*

Hasil Pengamatan pada 1 jam setelah perlakuan

No	Ulangan	Hasil Pengamatan Kematian Larva *Aedes aegypti* Terhadap Perasan Daun Sirih																			
		10%		20%		30%		40%		50%		60%		70%		80%		90%		100%		Kontrol	
		∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+
1.	I	25	0	25	0	25	0	25	0	25	0	25	1	25	0	25	0	25	1	25	2	25	0
2.	II	25	0	25	0	25	1	25	0	25	1	25	1	25	0	25	1	25	1	25	2	25	0
3.	III	25	0	25	0	25	1	25	0	25	0	25	0	25	1	25	2	25	2	25	1	25	0
Jumlah		75	0	75	0	75	2	75	0	75	1	75	2	75	1	75	3	75	4	75	5	75	0

Hasil Pengamatan 4 jam setelah perlakuan

No	Ulangan	Hasil Pengamatan Kematian Larva *Aedes aegypti* Terhadap Perasan Daun Sirih																			
		10%		20%		30%		40%		50%		60%		70%		80%		90%		100%		Kontrol	
		∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+
1.	I	25	0	25	0	25	0	25	0	25	1	25	1	25	1	25	2	25	2	25	4	25	0
2.	II	25	1	25	1	25	2	25	1	25	1	25	1	25	2	25	2	25	3	25	5	25	0
3.	III	25	0	25	0	25	1	25	0	25	0	25	0	25	1	25	2	25	3	25	5	25	0
Jumlah		75	1	75	1	75	3	75	1	75	3	75	2	75	4	75	6	75	8	75	14	75	0

Hasil Pengamatan 8 jam setelah perlakuan

No	Ulangan	Hasil Pengamatan Kematian Larva *Aedes aegypti* Terhadap Perasan Daun Sirih																					
		10%		20%		30%		40%		50%		60%		70%		80%		90%		100%		Kontrol	
		∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+
1.	I	25	0	25	0	25	0	25	1	25	2	25	1	25	2	25	2	25	3	25	5	25	0
2.	II	25	1	25	2	25	2	25	1	25	1	25	2	25	3	25	4	25	5	25	6	25	0
3.	III	25	0	25	0	25	1	25	0	25	2	25	1	25	1	25	2	25	3	25	5	25	0
Jumlah		75	1	75	2	75	3	75	2	75	5	75	4	75	6	75	8	75	11	75	16	75	0

Hasil Pengamatan 24 jam setelah perlakuan

No	Ulangan	Hasil Pengamatan Kematian Larva *Aedes aegypti* Terhadap Perasan Daun Sirih																					
		10%		20%		30%		40%		50%		60%		70%		80%		90%		100%		Kontrol	
		∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+	∑	+
1.	I	25	0	25	0	25	1	25	1	25	2	25	3	25	3	25	3	25	4	25	6	25	0
2.	II	25	1	25	2	25	2	25	2	25	1	25	2	25	4	25	5	25	7	25	7	25	0
3.	III	25	1	25	1	25	1	25	2	25	3	25	3	25	3	25	4	25	4	25	5	25	0
Jumlah		75	2	75	3	75	4	75	5	75	6	75	8	75	10	75	12	75	15	75	18	75	0

Keterangan :
I,II,III : Ulangan I, II, III
∑ : Jumlah Larva Uji / Gelas
\+ : Larva yang mati

Surabaya, 24 Mei 2012

Kepala Laboratorium Entomologi
Dinas Kesehatan Prov Jawa Timur

PEMERINTAH PROVINSI JAWA TIMUR
LABORATORIUM ENTOMOLOGI DINAS KESEHATAN

A. Hasan Huda, SKM. MSi.
NIP : 19630606 198503 1 019

Lampiran 2

Oneway

Descriptives

hasil pengamatan kematian larva aedes aegypti terhadap perasan daun sirih

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
100%	3	6,0000	1,00000	,57735	3,5159	8,4841	5,00	7,00
90%	3	5,0000	1,73205	1,00000	,6973	9,3027	4,00	7,00
80%	3	4,0000	1,00000	,57735	1,5159	6,4841	3,00	5,00
70%	3	3,3333	,57735	,33333	1,8991	4,7676	3,00	4,00
60%	3	2,6667	,57735	,33333	1,2324	4,1009	2,00	3,00
50%	3	2,0000	1,00000	,57735	-,4841	4,4841	1,00	3,00
40%	3	1,6667	,57735	,33333	,2324	3,1009	1,00	2,00
30%	3	1,3333	,57735	,33333	-,1009	2,7676	1,00	2,00
20%	3	1,0000	1,00000	,57735	-1,4841	3,4841	,00	2,00
10%	3	,6667	,57735	,33333	-,7676	2,1009	,00	1,00
0% (kontrol)	3	,0000	,00000	,00000	,0000	,0000	,00	,00
Total	33	2,5152	1,97043	,34301	1,8165	3,2138	,00	7,00

Test of Homogeneity of Variances

hasil pengamatan kematian larva aedes aegypti terhadap perasan daun sirih

Levene Statistic	df1	df2	Sig.
1,824	10	22	,115

ANOVA

hasil pengamatan kematian larva aedes aegypti terhadap perasan daun sirih

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	106,909	10	10,691	13,569	,000
Within Groups	17,333	22	,788		
Total	124,242	32			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: hasil pengamatan kematian larva aedes aegypti terhadap perasan daun sirih

	(I) konsentrasi air perasan daun sirih	(J) konsentrasi air perasan daun sirih	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	100%	90%	1,00000	,72474	,941	-1,5908	3,5908
		80%	2,00000	,72474	,237	-,5908	4,5908
		70%	2,66667(*)	,72474	,040	,0758	5,2575
		60%	3,33333(*)	,72474	,005	,7425	5,9242
		50%	4,00000(*)	,72474	,001	1,4092	6,5908
		40%	4,33333(*)	,72474	,000	1,7425	6,9242
		30%	4,66667(*)	,72474	,000	2,0758	7,2575
		20%	5,00000(*)	,72474	,000	2,4092	7,5908
		10%	5,33333(*)	,72474	,000	2,7425	7,9242
		0% (kontrol)	6,00000(*)	,72474	,000	3,4092	8,5908
	90%	100%	-1,00000	,72474	,941	-3,5908	1,5908
		80%	1,00000	,72474	,941	-1,5908	3,5908
		70%	1,66667	,72474	,467	-,9242	4,2575
		60%	2,33333	,72474	,103	-,2575	4,9242
		50%	3,00000(*)	,72474	,015	,4092	5,5908
		40%	3,33333(*)	,72474	,005	,7425	5,9242
		30%	3,66667(*)	,72474	,002	1,0758	6,2575
		20%	4,00000(*)	,72474	,001	1,4092	6,5908
		10%	4,33333(*)	,72474	,000	1,7425	6,9242
		0% (kontrol)	5,00000(*)	,72474	,000	2,4092	7,5908
	80%	100%	-2,00000	,72474	,237	-4,5908	,5908
		90%	-1,00000	,72474	,941	-3,5908	1,5908
		70%	,66667	,72474	,997	-1,9242	3,2575
		60%	1,33333	,72474	,746	-1,2575	3,9242
		50%	2,00000	,72474	,237	-,5908	4,5908
		40%	2,33333	,72474	,103	-,2575	4,9242
		30%	2,66667(*)	,72474	,040	,0758	5,2575
		20%	3,00000(*)	,72474	,015	,4092	5,5908
		10%	3,33333(*)	,72474	,005	,7425	5,9242
		0% (kontrol)	4,00000(*)	,72474	,001	1,4092	6,5908
	70%	100%	-2,66667(*)	,72474	,040	-5,2575	-,0758
		90%	-1,66667	,72474	,467	-4,2575	,9242
		80%	-,66667	,72474	,997	-3,2575	1,9242
		60%	,66667	,72474	,997	-1,9242	3,2575
		50%	1,33333	,72474	,746	-1,2575	3,9242
		40%	1,66667	,72474	,467	-,9242	4,2575
		30%	2,00000	,72474	,237	-,5908	4,5908

	20%	2,33333	,72474	,103	-,2575	4,9242
	10%	2,66667(*)	,72474	,040	,0758	5,2575
	0% (kontrol)	3,33333(*)	,72474	,005	,7425	5,9242
60%	100%	-3,33333(*)	,72474	,005	-5,9242	-,7425
	90%	-2,33333	,72474	,103	-4,9242	,2575
	80%	-1,33333	,72474	,746	-3,9242	1,2575
	70%	-,66667	,72474	,997	-3,2575	1,9242
	50%	,66667	,72474	,997	-1,9242	3,2575
	40%	1,00000	,72474	,941	-1,5908	3,5908
	30%	1,33333	,72474	,746	-1,2575	3,9242
	20%	1,66667	,72474	,467	-,9242	4,2575
	10%	2,00000	,72474	,237	-,5908	4,5908
	0% (kontrol)	2,66667(*)	,72474	,040	,0758	5,2575
50%	100%	-4,00000(*)	,72474	,001	-6,5908	-1,4092
	90%	-3,00000(*)	,72474	,015	-5,5908	-,4092
	80%	-2,00000	,72474	,237	-4,5908	,5908
	70%	-1,33333	,72474	,746	-3,9242	1,2575
	60%	-,66667	,72474	,997	-3,2575	1,9242
	40%	,33333	,72474	1,000	-2,2575	2,9242
	30%	,66667	,72474	,997	-1,9242	3,2575
	20%	1,00000	,72474	,941	-1,5908	3,5908
	10%	1,33333	,72474	,746	-1,2575	3,9242
	0% (kontrol)	2,00000	,72474	,237	-,5908	4,5908
40%	100%	-4,33333(*)	,72474	,000	-6,9242	-1,7425
	90%	-3,33333(*)	,72474	,005	-5,9242	-,7425
	80%	-2,33333	,72474	,103	-4,9242	,2575
	70%	-1,66667	,72474	,467	-4,2575	,9242
	60%	-1,00000	,72474	,941	-3,5908	1,5908
	50%	-,33333	,72474	1,000	-2,9242	2,2575
	30%	,33333	,72474	1,000	-2,2575	2,9242
	20%	,66667	,72474	,997	-1,9242	3,2575
	10%	1,00000	,72474	,941	-1,5908	3,5908
	0% (kontrol)	1,66667	,72474	,467	-,9242	4,2575
30%	100%	-4,66667(*)	,72474	,000	-7,2575	-2,0758
	90%	-3,66667(*)	,72474	,002	-6,2575	-1,0758
	80%	-2,66667(*)	,72474	,040	-5,2575	-,0758
	70%	-2,00000	,72474	,237	-4,5908	,5908
	60%	-1,33333	,72474	,746	-3,9242	1,2575
	50%	-,66667	,72474	,997	-3,2575	1,9242
	40%	-,33333	,72474	1,000	-2,9242	2,2575
	20%	,33333	,72474	1,000	-2,2575	2,9242
	10%	,66667	,72474	,997	-1,9242	3,2575
	0% (kontrol)	1,33333	,72474	,746	-1,2575	3,9242
20%	100%	-5,00000(*)	,72474	,000	-7,5908	-2,4092
	90%	-4,00000(*)	,72474	,001	-6,5908	-1,4092
	80%	-3,00000(*)	,72474	,015	-5,5908	-,4092
	70%	-2,33333	,72474	,103	-4,9242	,2575
	60%	-1,66667	,72474	,467	-4,2575	,9242

		50%	-1,00000	,72474	,941	-3,5908	1,5908
		40%	-,66667	,72474	,997	-3,2575	1,9242
		30%	-,33333	,72474	1,000	-2,9242	2,2575
		10%	,33333	,72474	1,000	-2,2575	2,9242
		0% (kontrol)	1,00000	,72474	,941	-1,5908	3,5908
	10%	100%	-5,33333(*)	,72474	,000	-7,9242	-2,7425
		90%	-4,33333(*)	,72474	,000	-6,9242	-1,7425
		80%	-3,33333(*)	,72474	,005	-5,9242	-,7425
		70%	-2,66667(*)	,72474	,040	-5,2575	-,0758
		60%	-2,00000	,72474	,237	-4,5908	,5908
		50%	-1,33333	,72474	,746	-3,9242	1,2575
		40%	-1,00000	,72474	,941	-3,5908	1,5908
		30%	-,66667	,72474	,997	-3,2575	1,9242
		20%	-,33333	,72474	1,000	-2,9242	2,2575
		0% (kontrol)	,66667	,72474	,997	-1,9242	3,2575
	0% (kontrol)	100%	-6,00000(*)	,72474	,000	-8,5908	-3,4092
		90%	-5,00000(*)	,72474	,000	-7,5908	-2,4092
		80%	-4,00000(*)	,72474	,001	-6,5908	-1,4092
		70%	-3,33333(*)	,72474	,005	-5,9242	-,7425
		60%	-2,66667(*)	,72474	,040	-5,2575	-,0758
		50%	-2,00000	,72474	,237	-4,5908	,5908
		40%	-1,66667	,72474	,467	-4,2575	,9242
		30%	-1,33333	,72474	,746	-3,9242	1,2575
		20%	-1,00000	,72474	,941	-3,5908	1,5908
		10%	-,66667	,72474	,997	-3,2575	1,9242
Dunnett t (2-sided)(a)	100%	0% (kontrol)	6,00000(*)	,72474	,000	3,8568	8,1432
	90%	0% (kontrol)	5,00000(*)	,72474	,000	2,8568	7,1432
	80%	0% (kontrol)	4,00000(*)	,72474	,000	1,8568	6,1432
	70%	0% (kontrol)	3,33333(*)	,72474	,001	1,1902	5,4765
	60%	0% (kontrol)	2,66667(*)	,72474	,010	,5235	4,8098
	50%	0% (kontrol)	2,00000	,72474	,075	-,1432	4,1432
	40%	0% (kontrol)	1,66667	,72474	,183	-,4765	3,8098
	30%	0% (kontrol)	1,33333	,72474	,391	-,8098	3,4765
	20%	0% (kontrol)	1,00000	,72474	,695	-1,1432	3,1432
	10%	0% (kontrol)	,66667	,72474	,946	-1,4765	2,8098

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

a Dunnett t-tests treat one group as a control, and compare all other groups against it.

Homogeneous Subsets

hasil pengamatan kematian larva aedes aegypti terhadap perasan daun sirih

	konsentrasi air perasan daun sirih	N	Subset for alpha = .05					
			1	2	3	4	5	6
Tukey HSD(a)	0% (kontrol)	3	,0000					
	10%	3	,6667	,6667				
	20%	3	1,0000	1,0000	1,0000			
	30%	3	1,3333	1,3333	1,3333			
	40%	3	1,6667	1,6667	1,6667	1,6667		
	50%	3	2,0000	2,0000	2,0000	2,0000		
	60%	3		2,6667	2,6667	2,6667	2,6667	
	70%	3			3,3333	3,3333	3,3333	
	80%	3				4,0000	4,0000	4,0000
	90%	3					5,0000	5,0000
	100%	3						6,0000
	Sig.		,237	,237	,103	,103	,103	,237

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 3,000.

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		hasil pengamatan kematian larva aedes aegypti terhadap perasan daun sirih
N		33
Normal Parameters(a,b)	Mean	2,5152
	Std. Deviation	1,97043
Most Extreme Differences	Absolute	,149
	Positive	,149
	Negative	-,101
Kolmogorov-Smirnov Z		,854
Asymp. Sig. (2-tailed)		,460

a Test distribution is Normal.
b Calculated from data.

Lampiran 3

UNIVERSITAS MUHAMMADIYAH SURABAYA
FAKULTAS ILMU KESEHATAN
Program Studi : Psikologi S1 - Keperawatan S1 dan D3 - Analis Kesehatan D3 - Kebidanan D3
Jln. Sutorejo No. 59 Surabaya - 60113Telp. (031) 3811966, 3811967 , 3890175 Fax. (031) 3811967

Nomor : 249.5 / III.3.AU / F / FIK / 2012
Lamp : -
Perihal : Permohonan ijin penelitian dalam rangka penyusunan Karya Tulis Ilmiah

Kepada Yth.
Kepala Dinas Kesehatan Propinsi Jawa Timur
Di
Surabaya

Assalamu'alaikum Wr. Wb.

Sehubungan dengan penyusunan Karya Tulis Ilmiah (KTI) bagi Mahasiswa D3 Analis Kesehatan Universitas Muhammadiyah Surabaya Semester VI, dengan ini kami mohon agar memberi kesempatan untuk mengadakan penelitian di Laboratorium Entomologi Dinas Kesehatan Propinsi Jawa Timur Surabaya.

Adapun mahasiswa yang bersangkutan adalah :

Nama : Erlita Asri Dewi

NIM : 09.015

Judul : "Pengaruh Konsentrasi Perasan Daun Sirih Terhadap Pertumbuhan Larva *Aedes aegypthi*".

Demikian atas kebijaksanaan dan kerjasama Bapak/Ibu kami sampaikan terima kasih.

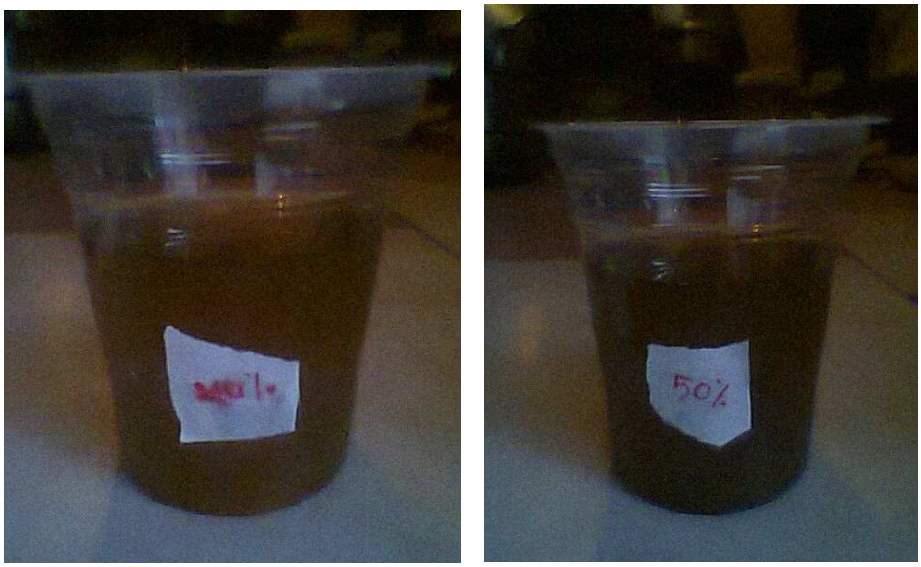
Wassalamu'alaikum Wr. Wb.

Surabaya, 15 Mei 2012
a.n. Dekan,
Kaprodi,

SUYATNO H S, S.Kep.Ners, M.Ked.Trop

Tembusan Yth.:
1. Kepala Lab. Entomologi Dinas Kesehatan Prop. Jatim Surabaya
2. Arsip

Lampiran 4




60%


70%


80%


90%


100%

(A)

a. Pemberian makan nyamuk *Aedes aegypti*

(B)

b. Penampungan telur *Aedes aegypti*