

Lampiran 1

SURAT PERMOHONAN IZIN

No : -
Perihal : Permohonan Penggunaan Laboratorium Dan Peminjaman Alat
Lampiran : 1 lembar (Daftar alat)

Yth.

Kepala Urusan Laboratorium Dan Praktek Parasitologi
D3 Analis Kesehatan UMSurabaya
ditempat

Assalamualaikum Wr.Wb

Sehubung dengan pelaksanaan penelitian untuk menyusun Karya Tulis Ilmiah (KTI), maka dengan ini yang bertanda tangan dibawah ini :

Nama : Lucky Fitriani
NIM : 09.032
Judul KTI : Pengaruh Konsentrasi Air Rebusan Daun Sirsak (*Annona muricata Linn*) Terhadap Pertumbuhan Larva Nyamuk *Aedes aegypti*.

Mengajukan permohonan penggunaan laboratorium dan peminjaman alat sebagai mana terlampir. Demikian permohonan ijin saya buat atas izin bapak/ibu penanggung jawab, saya ucapkan terima kasih.

Wassalamualaikum Wr.Wb.

Surabaya, 21 Mei 2012

Pembimbing 1

Pemohon,

Diah Ariana, ST, M.Kes

Lucky Fitriani

Tembusan :

1. Yth. Penanggung jawab Laboratorium Mikrobiologi
2. Arsip

Oneway

Descriptives

hasil larva Aedes aegypti yang mati

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
100%	3	10,0000	2,00000	1,15470	5,0317	14,9683	8,00	12,00
90%	3	6,0000	1,00000	,57735	3,5159	8,4841	5,00	7,00
80%	3	5,3333	1,52753	,88192	1,5388	9,1279	4,00	7,00
70%	3	4,0000	,00000	,00000	4,0000	4,0000	4,00	4,00
60%	3	4,0000	1,00000	,57735	1,5159	6,4841	3,00	5,00
50%	3	3,3333	,57735	,33333	1,8991	4,7676	3,00	4,00
40%	3	2,3333	,57735	,33333	,8991	3,7676	2,00	3,00
30%	3	1,3333	1,15470	,66667	-1,5351	4,2018	,00	2,00
20%	3	,6667	,57735	,33333	-,7676	2,1009	,00	1,00
10%	3	,3333	,57735	,33333	-1,1009	1,7676	,00	1,00
Total	30	3,7333	2,93532	,53591	2,6373	4,8294	,00	12,00

Test of Homogeneity of Variances

hasil larva Aedes aegypti yang mati

Levene Statistic	df1	df2	Sig.
1,594	9	20	,184

ANOVA

hasil larva Aedes aegypti yang mati

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	227,867	9	25,319	23,017	,000
Within Groups	22,000	20	1,100		
Total	249,867	29			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: hasil larva Aedes agypti yang mati

	(I) konsentrasi rebusan daun sirsak	(J) konsentrasi rebusan daun sirsak	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	100%	90%	4,00000(*)	,85635	,004	,9676	7,0
		80%	4,66667(*)	,85635	,001	1,6342	7,6
		70%	6,00000(*)	,85635	,000	2,9676	9,0
		60%	6,00000(*)	,85635	,000	2,9676	9,0
		50%	6,66667(*)	,85635	,000	3,6342	9,6
		40%	7,66667(*)	,85635	,000	4,6342	10,6
	90%	30%	8,66667(*)	,85635	,000	5,6342	11,6
		20%	9,33333(*)	,85635	,000	6,3009	12,3
		10%	9,66667(*)	,85635	,000	6,6342	12,6
		100%	-4,00000(*)	,85635	,004	-7,0324	-9,0
		80%	,66667	,85635	,998	-2,3658	3,6
		70%	2,00000	,85635	,410	-1,0324	5,0
	80%	60%	2,00000	,85635	,410	-1,0324	5,0
		50%	2,66667	,85635	,115	-,3658	5,6
		40%	3,66667(*)	,85635	,010	,6342	6,6
		30%	4,66667(*)	,85635	,001	1,6342	7,6
		20%	5,33333(*)	,85635	,000	2,3009	8,3
		10%	5,66667(*)	,85635	,000	2,6342	8,6
	70%	100%	-4,66667(*)	,85635	,001	-7,6991	-1,6
		90%	-,66667	,85635	,998	-3,6991	2,3
		80%	1,33333	,85635	,853	-1,6991	4,3
		60%	1,33333	,85635	,853	-1,6991	4,3
		50%	2,00000	,85635	,410	-1,0324	5,0
		40%	3,00000	,85635	,054	-,0324	6,0
		30%	4,00000(*)	,85635	,004	,9676	7,0
		20%	4,66667(*)	,85635	,001	1,6342	7,6
		10%	5,00000(*)	,85635	,000	1,9676	8,0
		100%	-6,00000(*)	,85635	,000	-9,0324	-2,9
		90%	-2,00000	,85635	,410	-5,0324	1,0
		80%	-1,33333	,85635	,853	-4,3658	1,6
	60%	,00000	,85635	1,000	-3,0324	3,0	
	50%	,66667	,85635	,998	-2,3658	3,6	
	40%	1,66667	,85635	,641	-1,3658	4,6	
	30%	2,66667	,85635	,115	-,3658	5,6	
	20%	3,33333(*)	,85635	,024	,3009	6,3	
	10%	3,66667(*)	,85635	,010	,6342	6,6	

60%	100%	-6,00000(*)	,85635	,000	-9,0324	-2,9	
	90%	-2,00000	,85635	,410	-5,0324	1,0	
	80%	-1,33333	,85635	,853	-4,3658	1,6	
	70%	,00000	,85635	1,000	-3,0324	3,0	
50%	50%	,66667	,85635	,998	-2,3658	3,6	
	40%	1,66667	,85635	,641	-1,3658	4,6	
	30%	2,66667	,85635	,115	-,3658	5,6	
	20%	3,33333(*)	,85635	,024	,3009	6,3	
	10%	3,66667(*)	,85635	,010	,6342	6,6	
	100%	-6,66667(*)	,85635	,000	-9,6991	-3,6	
	90%	-2,66667	,85635	,115	-5,6991	,3	
	80%	-2,00000	,85635	,410	-5,0324	1,0	
	70%	-,66667	,85635	,998	-3,6991	2,3	
	60%	-,66667	,85635	,998	-3,6991	2,3	
	40%	1,00000	,85635	,969	-2,0324	4,0	
	30%	2,00000	,85635	,410	-1,0324	5,0	
40%	20%	2,66667	,85635	,115	-,3658	5,6	
	10%	3,00000	,85635	,054	-,0324	6,0	
	100%	-7,66667(*)	,85635	,000	-10,6991	-4,6	
	90%	-3,66667(*)	,85635	,010	-6,6991	-,6	
	80%	-3,00000	,85635	,054	-6,0324	,0	
	70%	-1,66667	,85635	,641	-4,6991	1,3	
	60%	-1,66667	,85635	,641	-4,6991	1,3	
	50%	-1,00000	,85635	,969	-4,0324	2,0	
	30%	1,00000	,85635	,969	-2,0324	4,0	
	20%	1,66667	,85635	,641	-1,3658	4,6	
	10%	2,00000	,85635	,410	-1,0324	5,0	
	30%	100%	-8,66667(*)	,85635	,000	-11,6991	-5,6
90%		-4,66667(*)	,85635	,001	-7,6991	-1,6	
80%		-4,00000(*)	,85635	,004	-7,0324	-,9	
70%		-2,66667	,85635	,115	-5,6991	,3	
60%		-2,66667	,85635	,115	-5,6991	,3	
50%		-2,00000	,85635	,410	-5,0324	1,0	
40%		-1,00000	,85635	,969	-4,0324	2,0	
20%		,66667	,85635	,998	-2,3658	3,6	
10%		1,00000	,85635	,969	-2,0324	4,0	
20%		100%	-9,33333(*)	,85635	,000	-12,3658	-6,3
		90%	-5,33333(*)	,85635	,000	-8,3658	-2,3
		80%	-4,66667(*)	,85635	,001	-7,6991	-1,6
	70%	-3,33333(*)	,85635	,024	-6,3658	-,3	
	60%	-3,33333(*)	,85635	,024	-6,3658	-,3	
	50%	-2,66667	,85635	,115	-5,6991	,3	
	40%	-1,66667	,85635	,641	-4,6991	1,3	
	30%	-,66667	,85635	,998	-3,6991	2,3	
	10%	,33333	,85635	1,000	-2,6991	3,3	
	10%	100%	-9,66667(*)	,85635	,000	-12,6991	-6,6

		90%	-5,66667(*)	,85635	,000	-8,6991	-2,6
		80%	-5,00000(*)	,85635	,000	-8,0324	-1,9
		70%	-3,66667(*)	,85635	,010	-6,6991	-6,
		60%	-3,66667(*)	,85635	,010	-6,6991	-6,
		50%	-3,00000	,85635	,054	-6,0324	,0
		40%	-2,00000	,85635	,410	-5,0324	1,0
Dunnett t (2-sided)(a)	100%	30%	-1,00000	,85635	,969	-4,0324	2,0
		20%	-,33333	,85635	1,000	-3,3658	2,6
		10%	9,66667(*)	,85635	,000	7,1436	12,1
		90%	5,66667(*)	,85635	,000	3,1436	8,1
		80%	5,00000(*)	,85635	,000	2,4769	7,5
		70%	3,66667(*)	,85635	,003	1,1436	6,1
		60%	3,66667(*)	,85635	,003	1,1436	6,1
		50%	3,00000(*)	,85635	,015	,4769	5,5
		40%	2,00000	,85635	,164	-,5231	4,5
		30%	1,00000	,85635	,810	-1,5231	3,5
		20%	,33333	,85635	1,000	-2,1897	2,8

* 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 larva Aedes aegypti yang mati

	konsentrasi rebusan daun sirsak	N	Subset for alpha = .05				
			1	2	3	4	5
Tukey	10%	3	,3333				
HSD(a)	20%	3	,6667				
	30%	3	1,3333	1,3333			
	40%	3	2,3333	2,3333	2,3333		
	50%	3	3,3333	3,3333	3,3333	3,3333	
	70%	3		4,0000	4,0000	4,0000	
	60%	3		4,0000	4,0000	4,0000	
	80%	3			5,3333	5,3333	
	90%	3				6,0000	
	100%	3					10,0000
	Sig.		,054	,115	,054	,115	1,000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 3,000.

Multiple Comparisons

Dependent Variable: hasil larva Aedes aegypti yang mati

LSD

(I) konsentrasi rebusan daun sirsak	(J) konsentrasi rebusan daun sirsak	Mean Difference	Std. Error	Sig.	95% Confidence Interval
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		(I-J)			Lower Bound	Upper Bound
100%	90%	4,00000(*)	,85635	,000	2,2137	5,7863
	80%	4,66667(*)	,85635	,000	2,8804	6,4530
	70%	6,00000(*)	,85635	,000	4,2137	7,7863
	60%	6,00000(*)	,85635	,000	4,2137	7,7863
	50%	6,66667(*)	,85635	,000	4,8804	8,4530
	40%	7,66667(*)	,85635	,000	5,8804	9,4530
90%	30%	8,66667(*)	,85635	,000	6,8804	10,4530
	20%	9,33333(*)	,85635	,000	7,5470	11,1196
	10%	9,66667(*)	,85635	,000	7,8804	11,4530
	100%	-4,00000(*)	,85635	,000	-5,7863	-2,2137
	80%	,66667	,85635	,445	-1,1196	2,4530
	70%	2,00000(*)	,85635	,030	,2137	3,7863
	60%	2,00000(*)	,85635	,030	,2137	3,7863
	50%	2,66667(*)	,85635	,005	,8804	4,4530
	40%	3,66667(*)	,85635	,000	1,8804	5,4530
	30%	4,66667(*)	,85635	,000	2,8804	6,4530
	20%	5,33333(*)	,85635	,000	3,5470	7,1196
	80%	10%	5,66667(*)	,85635	,000	3,8804
100%		-4,66667(*)	,85635	,000	-6,4530	-2,8804
90%		-.66667	,85635	,445	-2,4530	1,1196
70%		1,33333	,85635	,135	-.4530	3,1196
60%		1,33333	,85635	,135	-.4530	3,1196
50%		2,00000(*)	,85635	,030	,2137	3,7863
40%		3,00000(*)	,85635	,002	1,2137	4,7863
30%		4,00000(*)	,85635	,000	2,2137	5,7863
20%		4,66667(*)	,85635	,000	2,8804	6,4530
10%		5,00000(*)	,85635	,000	3,2137	6,7863
100%		-6,00000(*)	,85635	,000	-7,7863	-4,2137
70%		90%	-2,00000(*)	,85635	,030	-3,7863
	80%	-1,33333	,85635	,135	-3,1196	,4530
	60%	,00000	,85635	1,000	-1,7863	1,7863
	50%	,66667	,85635	,445	-1,1196	2,4530
	40%	1,66667	,85635	,066	-.1196	3,4530
	30%	2,66667(*)	,85635	,005	,8804	4,4530
	20%	3,33333(*)	,85635	,001	1,5470	5,1196
	10%	3,66667(*)	,85635	,000	1,8804	5,4530
	100%	-6,00000(*)	,85635	,000	-7,7863	-4,2137
	90%	-2,00000(*)	,85635	,030	-3,7863	-.2137
	80%	-1,33333	,85635	,135	-3,1196	,4530
	60%	70%	,00000	,85635	1,000	-1,7863
50%		,66667	,85635	,445	-1,1196	2,4530
40%		1,66667	,85635	,066	-.1196	3,4530
30%		2,66667(*)	,85635	,005	,8804	4,4530
20%		3,33333(*)	,85635	,001	1,5470	5,1196

50%	10%	3,66667(*)	,85635	,000	1,8804	5,4530
	100%	-6,66667(*)	,85635	,000	-8,4530	-4,8804
	90%	-2,66667(*)	,85635	,005	-4,4530	-,8804
	80%	-2,00000(*)	,85635	,030	-3,7863	-,2137
	70%	-,66667	,85635	,445	-2,4530	1,1196
	60%	-,66667	,85635	,445	-2,4530	1,1196
	40%	1,00000	,85635	,257	-,7863	2,7863
	30%	2,00000(*)	,85635	,030	,2137	3,7863
	20%	2,66667(*)	,85635	,005	,8804	4,4530
	10%	3,00000(*)	,85635	,002	1,2137	4,7863
40%	100%	-7,66667(*)	,85635	,000	-9,4530	-5,8804
	90%	-3,66667(*)	,85635	,000	-5,4530	-1,8804
	80%	-3,00000(*)	,85635	,002	-4,7863	-1,2137
	70%	-1,66667	,85635	,066	-3,4530	,1196
	60%	-1,66667	,85635	,066	-3,4530	,1196
	50%	-1,00000	,85635	,257	-2,7863	,7863
	30%	1,00000	,85635	,257	-,7863	2,7863
	20%	1,66667	,85635	,066	-,1196	3,4530
	10%	2,00000(*)	,85635	,030	,2137	3,7863
	30%	100%	-8,66667(*)	,85635	,000	-10,4530
90%		-4,66667(*)	,85635	,000	-6,4530	-2,8804
80%		-4,00000(*)	,85635	,000	-5,7863	-2,2137
70%		-2,66667(*)	,85635	,005	-4,4530	-,8804
60%		-2,66667(*)	,85635	,005	-4,4530	-,8804
50%		-2,00000(*)	,85635	,030	-3,7863	-,2137
40%		-1,00000	,85635	,257	-2,7863	,7863
20%		,66667	,85635	,445	-1,1196	2,4530
10%		1,00000	,85635	,257	-,7863	2,7863
20%		100%	-9,33333(*)	,85635	,000	-11,1196
	90%	-5,33333(*)	,85635	,000	-7,1196	-3,5470
	80%	-4,66667(*)	,85635	,000	-6,4530	-2,8804
	70%	-3,33333(*)	,85635	,001	-5,1196	-1,5470
	60%	-3,33333(*)	,85635	,001	-5,1196	-1,5470
	50%	-2,66667(*)	,85635	,005	-4,4530	-,8804
	40%	-1,66667	,85635	,066	-3,4530	,1196
	30%	-,66667	,85635	,445	-2,4530	1,1196
	10%	,33333	,85635	,701	-1,4530	2,1196
	10%	100%	-9,66667(*)	,85635	,000	-11,4530
90%		-5,66667(*)	,85635	,000	-7,4530	-3,8804
80%		-5,00000(*)	,85635	,000	-6,7863	-3,2137
70%		-3,66667(*)	,85635	,000	-5,4530	-1,8804
60%		-3,66667(*)	,85635	,000	-5,4530	-1,8804
50%		-3,00000(*)	,85635	,002	-4,7863	-1,2137
40%		-2,00000(*)	,85635	,030	-3,7863	-,2137
30%		-1,00000	,85635	,257	-2,7863	,7863
20%		-,33333	,85635	,701	-2,1196	1,4530

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

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		hasil larva Aedes agypti yang mati
N		30
Normal Parameters(a,b)	Mean	3,7333
	Std. Deviation	2,93532
Most Extreme Differences	Absolute	,164
	Positive	,164
	Negative	-,102
Kolmogorov-Smirnov Z		,897
Asymp. Sig. (2-tailed)		,397

a Test distribution is Normal.

b Calculated from data.

Lampiran 4

Gambar penelitian



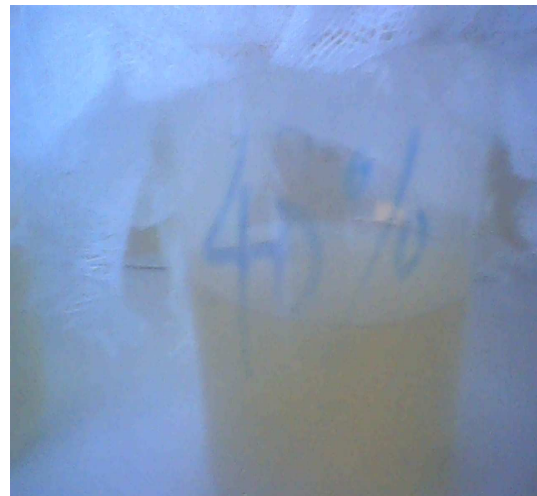
Konsentrasi 10%



Konsentrasi 20%



Konsentrasi 30%



Konsentrasi 40%



Konsentrasi 50%



Konsentrasi 60%



Konsentrasi 70%



Konsentrasi 80%



Konsentrasi 90%



Konsentrasi 100%



Kontrol (-) 0%

