Surat Permohonan Izin

Lampiran : 2 lembar

Perihal : Permohonan Penggunaan Laboratorium

Yth.

Kepala Urusan Laboratorium Mikrobiologi

D3 Analis Kesehatan Universitas Muhammadiyah Surabaya

Di tempat

Dengan hormat,

Sehubung dengan pelaksanaan penelitian untuk penyusunan Karya Tulis Ilmah (KTI) 2014/2015 maka dengan ini saya yang bertanda tangan dibawah ini:

Nama : Tryda Windya Lestari

NIM : 20120662090

Judul KTI : Pengaruh konsentrasi air rebusan daun beluntas (*Pluchea idica* Less) terhadap pertumbuhan larva nyamuk *Aedes aegypti*

Mengajukan permohonan izin menggunaan Laboratorium Mikrobiologi dan peminjaman alat sebagai mana terlampir.

Demikian permohonan ini saya buat dan atas izin Bapak/ Ibu Penanggung jawab saya ucapkan terima kasih.

Surabaya, 11 Maret 2015

Dosen Pembimbing Pemohon

Diah Ariana, ST.,M.Kes Tryda Windya Lestari

Daftar Alat dan Reagen yang digunakan

	Nama Alat dan Reagen	Jumlah	Keterangan
1	Beaker glass	2	1000 ml
2	Gelas ukur	1	100 ml
3	Gelas arloji	5	
4	Pengaduk	2	
5	Kasa		
6	Aquades		7000 ml
7	Pipet tetes	2	
8	Termometer	1	
9	Hot Plate	1	

Surabaya, 11 Maret 2015

Dosen Pembimbing Pemohon

Diah Ariana, ST.,M.Kes Tryda Windya Lestari

Lampiran 2

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

Nomor : 036/LAB/VI/ 2015
Jenis bahan : Daun beluntas
Dikirim oleh : Tryda Windya Lestari
NIM : 201206620 90
Alamat : Prodi D3 Analis Kesehatan FIK UMSurabaya
Judul : Pengaruh Konsentrasi Air Rebusan Daun Beluntas (*Pluchea indica* Less) terhadap Pertumbuhan Larva Nyamuk *Aedes aegypti*
Diterima : 30 April 2015

HASIL PEMERIKSAAN

Table 4.1 Hasil rata-rata jumlah larva yang mati dari berbagai pengulangan konsentrasi air rebusan daun beluntas yang berbeda dengan setiap perlakuan diberi 20 larva *Aedes aegypti*

No	Sampel	Hasil prosentase jumlah Larva *Aedes aegypti* yang mati (%)										
		Kontrol	10 %	20 %	30 %	40 %	50 %	60 %	70 %	80 %	90 %	100 %
1.	I	0	0	0	0	0	0	0	2	2	4	5
2.	II	0	0	0	0	0	0	0	2	2	3	4
3.	III	0	0	0	0	0	0	0	1	3	3	6
Jumlah Rata-rata		0	0	0	0	0	0	0	1,6	2,3	3,3	5

Surabaya, 6 Juni 2015

Mengetahui,
Kepala Laboratorium

Siswanto Agung Wijaya,S.Kep.Ns

Pemeriksa

Tryda Windya Lestari

Antar Perlakuan		Sig.	Keterangan
Kontrol	10%	1.000	Tidak berbeda
	20%	1.000	Tidak berbeda
	30%	1.000	Tidak berbeda
	40%	1.000	Tidak berbeda
	50%	1.000	Tidak berbeda
	60%	1.000	Tidak berbeda
	70%	.003	Berbeda
	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
10%	20%	1.000	Tidak berbeda
	30%	1.000	Tidak berbeda
	40%	1.000	Tidak berbeda
	50%	1.000	Tidak berbeda
	60%	1.000	Tidak berbeda
	70%	.003	Berbeda
	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
20%	30%	1.000	Tidak berbeda
	40%	1.000	Tidak berbeda
	50%	1.000	Tidak berbeda
	60%	1.000	Tidak berbeda
	70%	.003	Berbeda
	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
30%	40%	1.000	Tidak berbeda
	50%	1.000	Tidak berbeda
	60%	1.000	Tidak berbeda
	70%	.003	Berbeda
	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
40%	50%	1.000	Tidak berbeda
	60%	1.000	Tidak berbeda
	70%	.003	Berbeda
	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
50%	60%	1.000	Tidak berbeda
	70%	.003	Berbeda

	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
60%	70%	.003	Berbeda
	80%	.000	Berbeda
	90%	.000	Berbeda
	100%	.000	Berbeda
70%	80%	.702	Tidak berbeda
	90%	.003	Berbeda
	100%	.000	Berbeda
80%	90%	.195	Tidak berbeda
	100%	.000	Berbeda
90%	100%	.003	berbeda

NPar Tests

[DataSet0]

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Jumlahlarvamati	12	.4431	.21507	.00	.78

One-Sample Kolmogorov-Smirnov Test

		jumlahlarvamati
N		12
Normal Parameters[a,,b]	Mean	.4431
	Std. Deviation	.21507
Most Extreme Differences	Absolute	.171
	Positive	.162
	Negative	-.171-

Kolmogorov-Smirnov Z	.593
Asymp. Sig. (2-tailed)	.873

a. Test distribution is Normal.

b. Calculated from data.

ONEWAY Jumlah Larva Mati BY konsentrasi

/POSTHOC=TUKEY DUNNETT ALPHA(0.05).

Test of Homogeneity of Variances

huu

Levene Statistic	df1	df2	Sig.
2.099	3	8	.179

Oneway

[DataSet0]

ANOVA

Jumlah Larva Mati

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	91.515	10	9.152	50.333	.000
Within Groups	4.000	22	.182		
Total	95.515	32			

Multiple Comparisons

Dependent Variable: Jumlah Larva Mati

	(I) konsentrasi	(J) konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	kontrol	10%	.000	.348	1.000	-1.24-	1.24
		20%	.000	.348	1.000	-1.24-	1.24
		30%	.000	.348	1.000	-1.24-	1.24
		40%	.000	.348	1.000	-1.24-	1.24
		50%	.000	.348	1.000	-1.24-	1.24
		60%	.000	.348	1.000	-1.24-	1.24
		70%	-1.667-*	.348	.003	-2.91-	-.42-
		80%	-2.333-*	.348	.000	-3.58-	-1.09-
		90%	-3.333-*	.348	.000	-4.58-	-2.09-
		100%	-5.000-*	.348	.000	-6.24-	-3.76-
	10%	Kontrol	.000	.348	1.000	-1.24-	1.24
		20%	.000	.348	1.000	-1.24-	1.24
		30%	.000	.348	1.000	-1.24-	1.24
		40%	.000	.348	1.000	-1.24-	1.24
		50%	.000	.348	1.000	-1.24-	1.24
		60%	.000	.348	1.000	-1.24-	1.24

		70%	-1.667-*	.348	.003	-2.91-	-.42-
		80%	-2.333-*	.348	.000	-3.58-	-1.09-
		90%	-3.333-*	.348	.000	-4.58-	-2.09-
		100%	-5.000-*	.348	.000	-6.24-	-3.76-
	20%	Kontrol	.000	.348	1.000	-1.24-	1.24
		10%	.000	.348	1.000	-1.24-	1.24
		30%	.000	.348	1.000	-1.24-	1.24
		40%	.000	.348	1.000	-1.24-	1.24
		50%	.000	.348	1.000	-1.24-	1.24
		60%	.000	.348	1.000	-1.24-	1.24
		70%	-1.667-*	.348	.003	-2.91-	-.42-
		80%	-2.333-*	.348	.000	-3.58-	-1.09-
		90%	-3.333-*	.348	.000	-4.58-	-2.09-
		100%	-5.000-*	.348	.000	-6.24-	-3.76-
	30%	Kontrol	.000	.348	1.000	-1.24-	1.24
		10%	.000	.348	1.000	-1.24-	1.24
		20%	.000	.348	1.000	-1.24-	1.24
		40%	.000	.348	1.000	-1.24-	1.24
		50%	.000	.348	1.000	-1.24-	1.24
		60%	.000	.348	1.000	-1.24-	1.24
		70%	-1.667-*	.348	.003	-2.91-	-.42-

	80%	-2.333-*	.348	.000	-3.58-	-1.09-
	90%	-3.333-*	.348	.000	-4.58-	-2.09-
	100%	-5.000-*	.348	.000	-6.24-	-3.76-
40%	Kontrol	.000	.348	1.000	-1.24-	1.24
	10%	.000	.348	1.000	-1.24-	1.24
	20%	.000	.348	1.000	-1.24-	1.24
	30%	.000	.348	1.000	-1.24-	1.24
	50%	.000	.348	1.000	-1.24-	1.24
	60%	.000	.348	1.000	-1.24-	1.24
	70%	-1.667-*	.348	.003	-2.91-	-.42-
	80%	-2.333-*	.348	.000	-3.58-	-1.09-
	90%	-3.333-*	.348	.000	-4.58-	-2.09-
	100%	-5.000-*	.348	.000	-6.24-	-3.76-
50%	Kontrol	.000	.348	1.000	-1.24-	1.24
	10%	.000	.348	1.000	-1.24-	1.24
	20%	.000	.348	1.000	-1.24-	1.24
	30%	.000	.348	1.000	-1.24-	1.24
	40%	.000	.348	1.000	-1.24-	1.24
	60%	.000	.348	1.000	-1.24-	1.24
	70%	-1.667-*	.348	.003	-2.91-	-.42-
	80%	-2.333-*	.348	.000	-3.58-	-1.09-

	90%	-3.333-*	.348	.000	-4.58-	-2.09-
	100%	-5.000-*	.348	.000	-6.24-	-3.76-
60%	Kontrol	.000	.348	1.000	-1.24-	1.24
	10%	.000	.348	1.000	-1.24-	1.24
	20%	.000	.348	1.000	-1.24-	1.24
	30%	.000	.348	1.000	-1.24-	1.24
	40%	.000	.348	1.000	-1.24-	1.24
	50%	.000	.348	1.000	-1.24-	1.24
	70%	-1.667-*	.348	.003	-2.91-	-.42-
	80%	-2.333-*	.348	.000	-3.58-	-1.09-
	90%	-3.333-*	.348	.000	-4.58-	-2.09-
	100%	-5.000-*	.348	.000	-6.24-	-3.76-
70%	Kontrol	1.667*	.348	.003	.42	2.91
	10%	1.667*	.348	.003	.42	2.91
	20%	1.667*	.348	.003	.42	2.91
	30%	1.667*	.348	.003	.42	2.91
	40%	1.667*	.348	.003	.42	2.91
	50%	1.667*	.348	.003	.42	2.91
	60%	1.667*	.348	.003	.42	2.91
	80%	-.667-	.348	.702	-1.91-	.58
	90%	-1.667-*	.348	.003	-2.91-	-.42-

		100%	-3.333-*	.348	.000	-4.58-	-2.09-
	80%	Kontrol	2.333*	.348	.000	1.09	3.58
		10%	2.333*	.348	.000	1.09	3.58
		20%	2.333*	.348	.000	1.09	3.58
		30%	2.333*	.348	.000	1.09	3.58
		40%	2.333*	.348	.000	1.09	3.58
		50%	2.333*	.348	.000	1.09	3.58
		60%	2.333*	.348	.000	1.09	3.58
		70%	.667	.348	.702	-.58-	1.91
		90%	-1.000-	.348	.195	-2.24-	.24
		100%	-2.667-*	.348	.000	-3.91-	-1.42-
	90%	Kontrol	3.333*	.348	.000	2.09	4.58
		10%	3.333*	.348	.000	2.09	4.58
		20%	3.333*	.348	.000	2.09	4.58
		30%	3.333*	.348	.000	2.09	4.58
		40%	3.333*	.348	.000	2.09	4.58
		50%	3.333*	.348	.000	2.09	4.58
		60%	3.333*	.348	.000	2.09	4.58
		70%	1.667*	.348	.003	.42	2.91
		80%	1.000	.348	.195	-.24-	2.24
		100%	-1.667-*	.348	.003	-2.91-	-.42-

	100%	Kontrol	5.000*	.348	.000	3.76	6.24
		10%	5.000*	.348	.000	3.76	6.24
		20%	5.000*	.348	.000	3.76	6.24
		30%	5.000*	.348	.000	3.76	6.24
		40%	5.000*	.348	.000	3.76	6.24
		50%	5.000*	.348	.000	3.76	6.24
		60%	5.000*	.348	.000	3.76	6.24
		70%	3.333*	.348	.000	2.09	4.58
		80%	2.667*	.348	.000	1.42	3.91
		90%	1.667*	.348	.003	.42	2.91
Dunnett t (2-sided)[a]	kontrol	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	10%	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	20%	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	30%	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	40%	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	50%	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	60%	100%	-5.000-*	.348	.000	-6.03-	-3.97-
	70%	100%	-3.333-*	.348	.000	-4.36-	-2.30-
	80%	100%	-2.667-*	.348	.000	-3.70-	-1.64-
	90%	100%	-1.667-*	.348	.001	-2.70-	-.64-

*. The mean difference is significant at the 0.05 level.

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

Jumlah Larva Mati

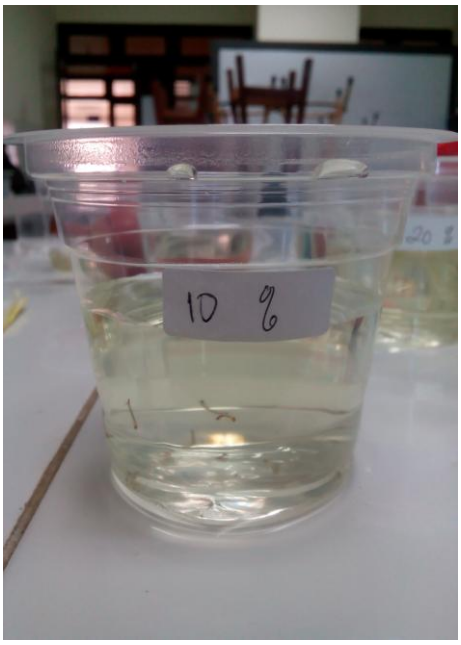
	konsentrasi	N	Subset for alpha = 0.05			
			1	2	3	4
Tukey HSD[a]	kontrol	3	.00			
	10%	3	.00			
	20%	3	.00			
	30%	3	.00			
	40%	3	.00			
	50%	3	.00			
	60%	3	.00			
	70%	3		1.67		
	80%	3		2.33	2.33	
	90%	3			3.33	
	100%	3				5.00
	Sig.		1.000	.702	.195	1.000

Means for groups in homogeneous subsets are displayed.

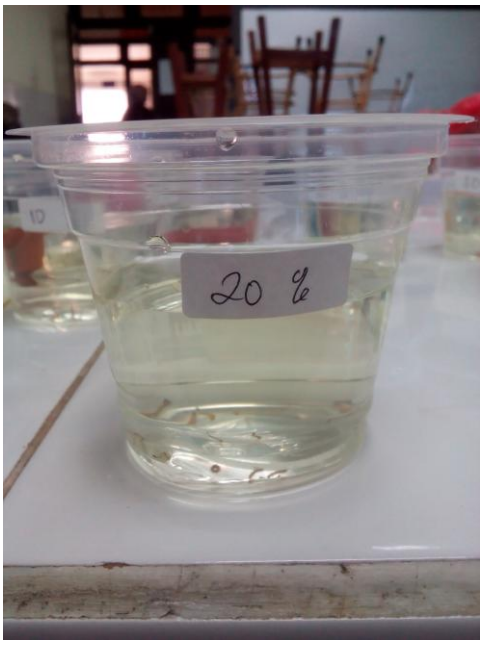
a. Uses Harmonic Mean Sample Size = 3.000.

Rebusan daun beluntas

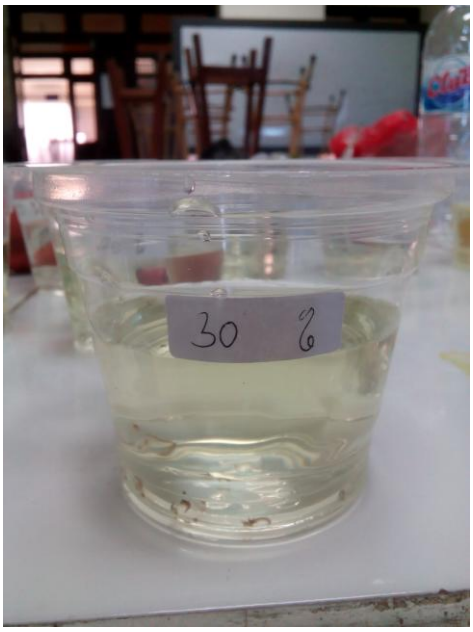
Konsentrasi 10% sampai 100%



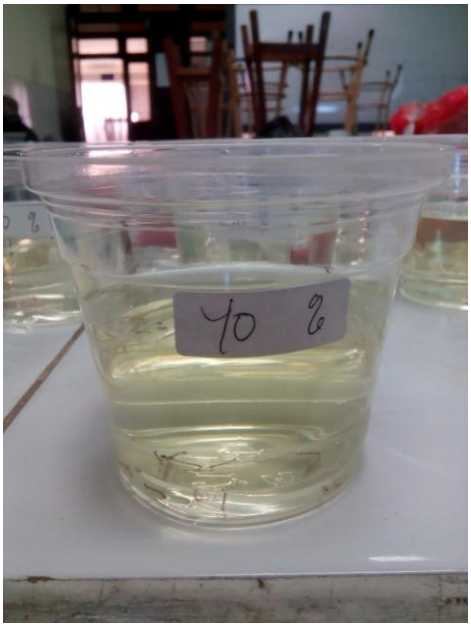
Konsentrasi 10%



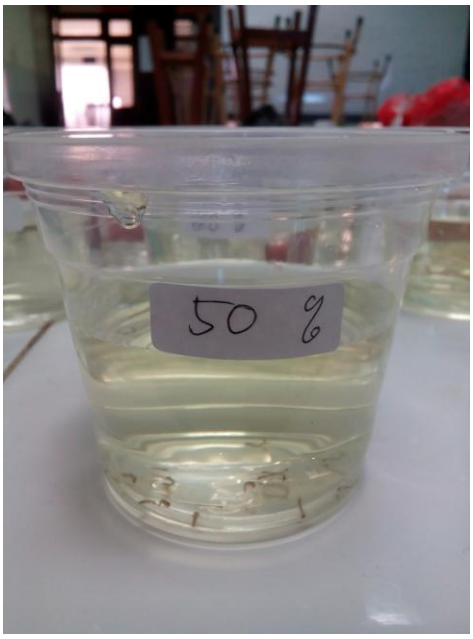
Konsentrasi 20%



Konsentrasi 30%

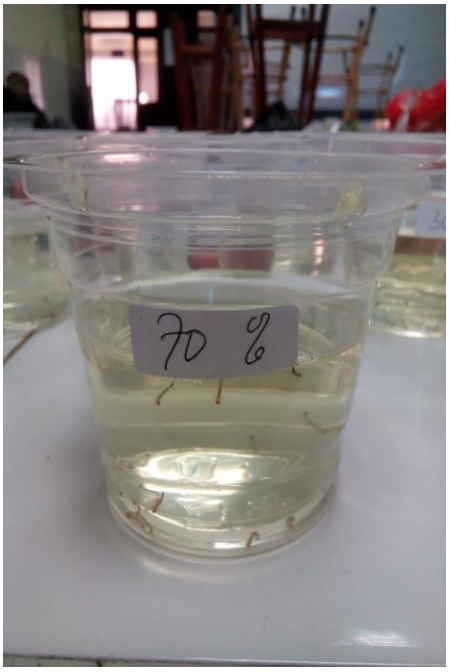


Konsentrasi 40%

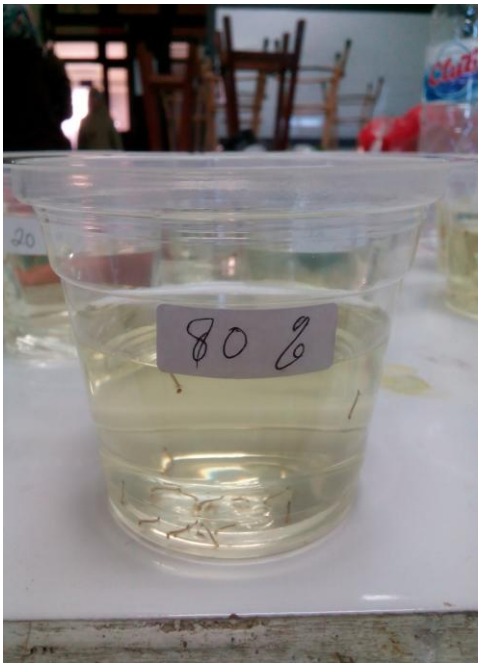


Konsentrasi 50%

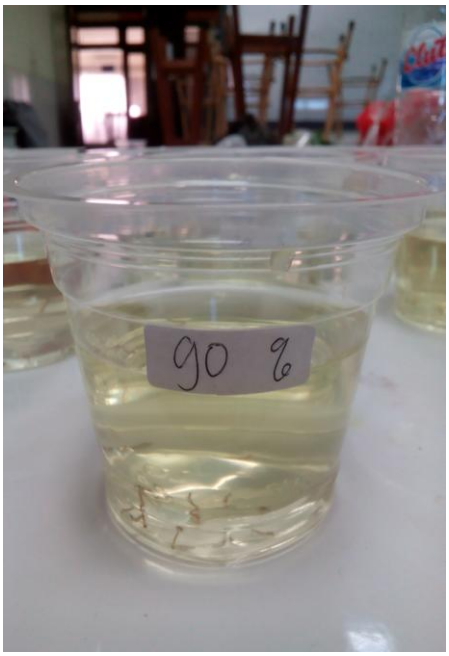
Konsentrasi 60%



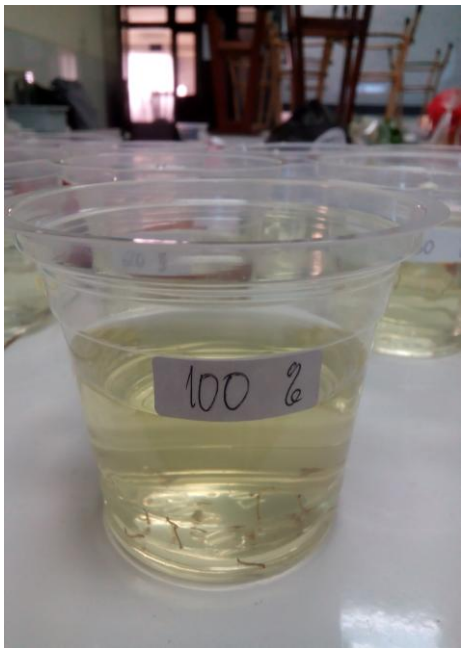
Konsentrasi 70%



Konsentrasi 80%



Konsentrasi 90%



Konsentrasi 100%