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LAMPIRAN

Lampiran 1 Dokumentasi Penelitian (Persiapan bahan)

Gambar 1 Pencucian Daun Mimba

Gambar 2 Daun Mimba dikeringkan

**Gambar 3
Daun mimba dikeringkan
dengan "Herbs dryer"**

**Gambar 4
Daun mimba diremas dan
dihaluskan**

Lampiran 2 Dokumentasi Penelitian (Pembuatan Ekstrak etanol daun mimba)

Gambar 5
Daun mimba direndam dengan
etanol 96%

Gambar 6
Rendaman daun mimba di saring

Gambar 7
Air saringan daun mimba
Dievaporator untuk
Memisahkan zat pelarut
Dengan Ekstrak asli.

Gambar 8
Hasil evaporator rendaman
daun mimba

Gambar 9
zat daun mimba
letakkan di mangkok
dan diberi silica gel

Lampiran 3 Dokumentasi Penelitian (Persiapan Uji pendahuluan)
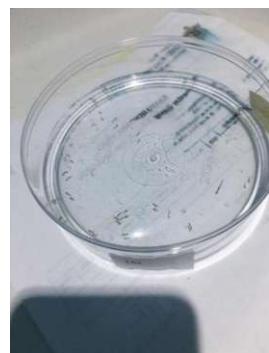
Gambar 10
Penimbangan zat
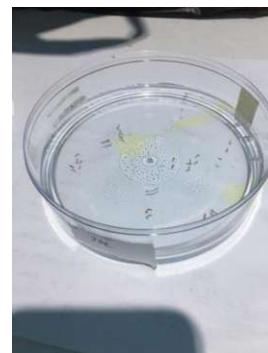
Gambar 11
Temephos digerus
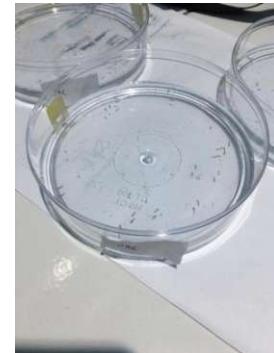
Lampiran 4 Dokumentasi Penelitian (Uji Pendahuluan)

Gambar 12
Temephos 1 ppm
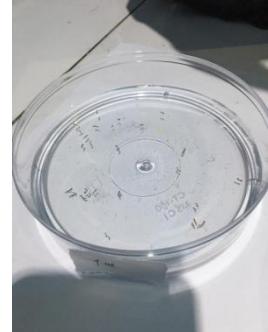
Gambar 13
temephos 2 ppm
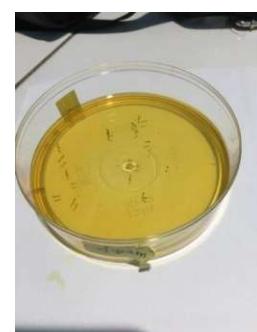
Gambar 14
temephos 3 ppm

Gambar 15
Temephos 5 ppm

Gambar 16
Temephos 4 ppm

Gambar 17
Daun mimba 4 grm

Gambar 18
Daun mimba 3 grm

Gambar 19
Daun mimba 2 grm
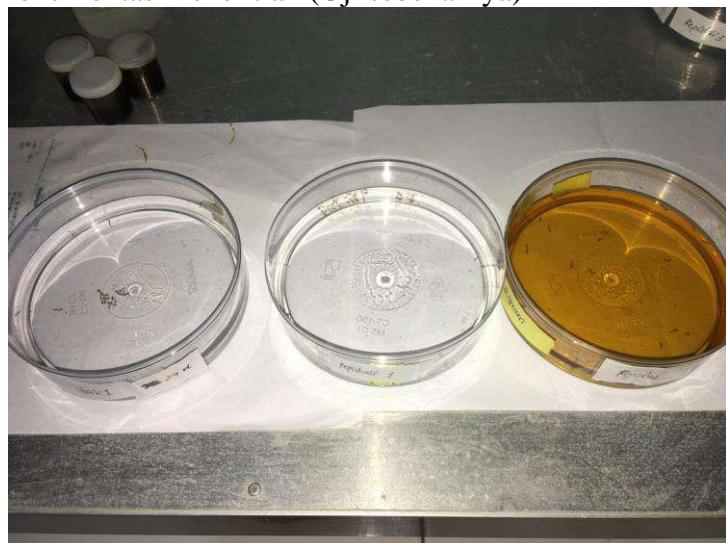
Gambar 20
Daun mimba 1 grm

Gambar 21
Daun Mimba 5 grm
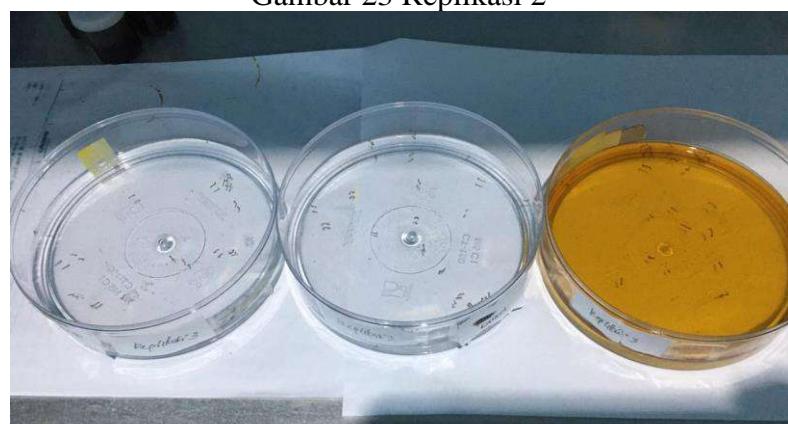
Lampiran 5 Dokumentasi Penelitian (Uji sebenarnya)

Gambar 22 Replikasi 1

Gambar 23 Replikasi 2

Gambar 24 Replikasi 3

Lampiran 6 Hasil Analisis SPSS

Tabel 1 Analisis probit LC Daun Mimba

Confidence Limits

Probability		95% Confidence Limits for konsentrasidaunmimba			95% Confidence Limits for log(konsentrasidaunmimba)[b]		
		Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT[a]	.010	2.215	.	.	.345	.	.
	.020	2.382	.	.	.377	.	.
	.030	2.494	.	.	.397	.	.
	.040	2.582	.	.	.412	.	.
	.050	2.655	.	.	.424	.	.
	.060	2.720	.	.	.435	.	.
	.070	2.777	.	.	.444	.	.
	.080	2.830	.	.	.452	.	.
	.090	2.879	.	.	.459	.	.
	.100	2.924	.	.	.466	.	.
	.150	3.121	.	.	.494	.	.
	.200	3.287	.	.	.517	.	.
	.250	3.437	.	.	.536	.	.
	.300	3.576	.	.	.553	.	.
	.350	3.711	.	.	.570	.	.

.400	3.844	.	.	.585	.	.
.450	3.976	.	.	.599	.	.
.500	4.111	.	.	.614	.	.
.550	4.251	.	.	.628	.	.
.600	4.398	.	.	.643	.	.
.650	4.555	.	.	.658	.	.
.700	4.726	.	.	.675	.	.
.750	4.919	.	.	.692	.	.
.800	5.142	.	.	.711	.	.
.850	5.415	.	.	.734	.	.
.900	5.780	.	.	.762	.	.
.910	5.871	.	.	.769	.	.
.920	5.973	.	.	.776	.	.
.930	6.086	.	.	.784	.	.
.940	6.215	.	.	.793	.	.
.950	6.366	.	.	.804	.	.
.960	6.547	.	.	.816	.	.
.970	6.778	.	.	.831	.	.
.980	7.097	.	.	.851	.	.
.990	7.630	.	.	.883	.	.

ogeneity factor is used.

m base = 10.

Tabel 2 Analisis probit LD Temephos

Confidence Limits

	Probability	95% Confidence Limits for konsentrasiabate			95% Confidence Limits for log(konsentrasiabate)[a]		
		Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	.010	1.129	.	.	.053	.	.
	.020	1.198	.	.	.079	.	.
	.030	1.244	.	.	.095	.	.
	.040	1.280	.	.	.107	.	.
	.050	1.310	.	.	.117	.	.
	.060	1.336	.	.	.126	.	.
	.070	1.359	.	.	.133	.	.
	.080	1.380	.	.	.140	.	.
	.090	1.399	.	.	.146	.	.
	.100	1.417	.	.	.151	.	.
	.150	1.495	.	.	.175	.	.
	.200	1.560	.	.	.193	.	.
	.250	1.617	.	.	.209	.	.
	.300	1.671	.	.	.223	.	.
	.350	1.722	.	.	.236	.	.
	.400	1.772	.	.	.249	.	.
	.450	1.822	.	.	.261	.	.

.500	1.873	.	.	.272	.	.
.550	1.925	.	.	.284	.	.
.600	1.979	.	.	.296	.	.
.650	2.036	.	.	.309	.	.
.700	2.099	.	.	.322	.	.
.750	2.169	.	.	.336	.	.
.800	2.249	.	.	.352	.	.
.850	2.346	.	.	.370	.	.
.900	2.475	.	.	.393	.	.
.910	2.507	.	.	.399	.	.
.920	2.542	.	.	.405	.	.
.930	2.581	.	.	.412	.	.
.940	2.626	.	.	.419	.	.
.950	2.678	.	.	.428	.	.
.960	2.740	.	.	.438	.	.
.970	2.819	.	.	.450	.	.
.980	2.927	.	.	.466	.	.
.990	3.106	.	.	.492	.	.

a. Logarithm base = 10.

Tabel 3 Analisis Probit LT Temephos

Confidence Limits

	Probability	95% Confidence Limits for waktularva		
		Estimate	Lower Bound	Upper Bound
PROBIT	.010	-219.858	.	.
	.020	-141.773	.	.
	.030	-92.231	.	.
	.040	-54.962	.	.
	.050	-24.646	.	.
	.060	1.157	.	.
	.070	23.781	.	.
	.080	44.039	.	.
	.090	62.462	.	.
	.100	79.420	.	.
	.150	149.634	.	.
	.200	205.437	.	.
	.250	253.311	.	.
	.300	296.304	.	.
	.350	336.143	.	.
	.400	373.946	.	.
	.450	410.522	.	.
	.500	446.517	.	.
	.550	482.512	.	.
	.600	519.087	.	.
	.650	556.891	.	.
	.700	596.730	.	.
	.750	639.722	.	.
	.800	687.597	.	.
	.850	743.400	.	.
	.900	813.613	.	.
	.910	830.572	.	.
	.920	848.995	.	.
	.930	869.253	.	.
	.940	891.877	.	.
	.950	917.680	.	.

	.960	947.995	.	.
	.970	985.264	.	.
	.980	1034.807	.	.
	.990	1112.892	.	.

Tabel 4 Analisis probit LT Daun Mimba

Confidence Limits

	Probability	95% Confidence Limits for waktularva		
		Estimate	Lower Bound	Upper Bound
PROBIT[a]	.010	-628.344	-12628.013	337.571
	.020	-485.124	-11508.754	428.966
	.030	-394.256	-10800.054	488.387
	.040	-325.899	-10267.806	533.967
	.050	-270.296	-9835.503	571.682
	.060	-222.969	-9468.051	604.289
	.070	-181.473	-9146.291	633.303
	.080	-144.318	-8858.561	659.649
	.090	-110.527	-8597.208	683.936
	.100	-79.423	-8356.929	706.588
	.150	49.359	-7365.638	803.905
	.200	151.711	-6582.831	886.289
	.250	239.519	-5915.940	961.655
	.300	318.374	-5321.795	1034.079
	.350	391.444	-4776.318	1106.278
	.400	460.781	-4264.432	1180.506
	.450	527.866	-3775.868	1259.014
	.500	593.886	-3303.187	1344.415
	.550	659.907	-2840.785	1440.094
	.600	726.991	-2384.420	1550.801
	.650	796.328	-1931.141	1683.637
	.700	869.399	-1479.594	1849.765
	.750	948.253	-1030.763	2067.504
	.800	1036.062	-588.973	2367.970
	.850	1138.413	-161.798	2805.986

97

.900	1267.195	245.268	3487.528
.910	1298.300	324.901	3670.827
.920	1332.091	404.539	3876.829
.930	1369.246	484.717	4110.726
.940	1410.742	566.239	4379.979
.950	1458.069	650.341	4695.935
.960	1513.672	739.052	5077.243
.970	1582.028	836.031	5558.092
.980	1672.896	949.087	6213.157
.990	1816.116	1101.399	7271.499

a. A heterogeneity factor is used.

Lampiran 7 Uji Anova

Descriptives

larvamati

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
daun mimba	3	18.67	1.528	.882	14.87	22.46	17	20
abate	3	20.00	.000	.000	20.00	20.00	20	20
kontrol	3	.00	.000	.000	.00	.00	0	0
Total	9	12.89	9.714	3.238	5.42	20.36	0	20

Test of Homogeneity of Variances

larvamati

Levene Statistic	df1	df2	Sig.
7.692	2	6	.022

ANOVA

larvamati

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	750.222	2	375.111	482.286	.000
oups	4.667	6	.778		
	754.889	8			

Multiple Comparisons

larvamati

Tamhane

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
daun mimba	abate	-1.333	.882	.611	-8.02	5.35
	kontrol	18.667*	.882	.007	11.98	25.35
abate	daun mimba	1.333	.882	.611	-5.35	8.02
	kontrol	20.000	.000	.	20.00	20.00
kontrol	daun mimba	-18.667*	.882	.007	-25.35	-11.98
	abate	-20.000	.000	.	-20.00	-20.00

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

100

Lampiran 8 Uji *Independent-t-sample*

Uji t berdasarkan mortalitas larva

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
						Mean	Std. Error	95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2-tailed)	Difference	Difference	Lower	Upper
Equal variances assumed	7.692	.050	-1.512	4	.205	-1.333	.882	-3.782	1.115
Equal variances not assumed			-1.512	2.000	.270	-1.333	.882	-5.128	2.461

Uji t berdasarkan nilai Lethal Time

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
							Mean	Std. Error	95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Difference	Difference	Lower	Upper
larva mati	Equal variances assumed	2.132	.218	1.633	4	.178	431.58667	264.37048	-302.42345	1165.59678
	Equal variances not assumed			1.633	2.386	.224	431.58667	264.37048	-546.68964	1409.86298

Lampiran 9 Surat Izin Penelitian

KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS HASANUDDIN
FAKULTAS KESEHATAN MASYARAKAT
Jl. Perintis Kemerdekaan Km.10 Makassar 90245, Telp. (0411) 585658, Fax 0411 - 586013
E-mail : fkmuh@unhas.ac.id, website: www.fkm.unhas.ac.id

Nomor : 11493/UN4.14.2/PL.00.00/2019   23 Desember 2019
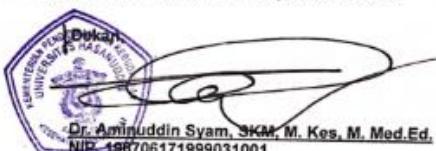Hal : **Izin Penelitian**

Yang Terhormat
Kepala Laboratorium Entomologi Fakultas Kedokteran
Di Unhas

Kami ajukan Mahasiswa Fakultas Kesehatan Masyarakat Universitas Hasanuddin yang bermaksud untuk melakukan penelitian dalam rangka penyusunan skripsi.

Untuk melaksanakan penelitian ini, kami mengharapkan bantuan Bapak/Ibu kiranya dapat memberikan izin kepada :

Nama : Andi Rifdah Amir
Nim : K11116336
Program Studi : Kesehatan Masyarakat.
Departemen : Epidemiologi
Judul Tugas Akhir : Uji Perbandingan Efektivitas Ekstrak Etanol Daun Mimba (*Azadirachta Indica*) dan Temephos terhadap Kematian Larva *Aedes Aegypti.*
Lokasi Penelitian : Laboratorium Entomologi Fakultas Kedokteran Unhas
Pembimbing : 1. Prof. Dr. drg. A. Arsunan Arsin, M. Kes.
2. Indra Dwinata, SKM., MPH.

Atas bantuan dan kerjasama yang baik, kami sampaikan banyak terima kasih.

Dekan

Dr. Aminuddin Syam, SKM, M. Kes, M. Med.Ed.
NIP. 198706171999031001

Tembusan :
1. Dekan FKM Unhas
2. Pembimbing Skripsi Mahasiswa ybs

Lampiran 10 Surat Keterangan Telah meneliti

UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN
LABORATORIUM ANIMAL - ENTOMOLOGI
Sekretariat : Laboratorium Animal - Entomologi Lt.4 Fakultas Kedokteran UNHAS
Jl. Perintis Kemerdekaan Km. 11 Tamalanrea, Makassar 90245
Telp. 0411-6164712, Fax. 0411-586297

SURAT KETERANGAN
No. 27 /Ento/VI/ 2020

Yang bertanda tangan dibawah ini, Kepala Laboratorium Animal – Entomologi Fakultas Kedokteran Universitas Hasanuddin menerangkan bahwa :

Nama : Andi Rifdah Amir
Nim : K11116336
Institusi : Fakultas Kesehatan Masyarakat Universitas Hasanuddin
Alamat : Griya Prima Tonasa Blok E3/3-4
Judul Penelitian : Uji Perbandingan Efektivitas Ekstrak Ethanol Daun Mimba (Azadirachta Indica) dan Temephos Terhadap Kematian Larva *Aedes aegypti*

Benar telah melakukan penelitian di Laboratorium Animal – Entomologi Fakultas Kedokteran Universitas Hasanuddin.

Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Makassar, 16 Juni 2020
Kepala Lab. Animal - Entomologi

dr. Isra Wahid, Ph.D
NIP. 19681227 199802 1 001

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DAFTAR RIWAYAT HIDUP

Nama   : Andi Rifdah Amir

Tempat/tanggal Lahir   : Ujung Pandang 18 Mei 1998

Jenis Kelamin   : Perempuan

Agama   : Islam

Alamat   : Griya Prima Tonasa Blok E3/3-4, Makassar

Nama Orang Tua

       Ayah   : Amir Maulana

       Ibu   : Andi Saidah

Email/No. Hp   : andirifdahamir@gmail.com/08114058211

Riwayat Pendidikan

1. SDIT Al-Insyirah
2. SMPN 32 Makassar
3. SMAN 1 Maros
4. Departemen Epidemiologi Fakultas Kesehatan Masyarakat Unhas