Lampiran 1. Surat Keterangan Telah Melakukan Penelitian di Laboratorium Fitokimia, Fakultas Farmasi, Universitas Wahid Hasyim.

UNIVERSITAS WAHID HASYIM
FAKULTAS FARMASI
BAGIAN BIOLOGI FARMASI
Jl. Menoreh Tengah X / 22 Sampangan – Semarang 50236 Telp. (024) 8505680 – 8505681 fax. (024) 8505680

SURAT KETERANGAN

No.003 /Lab. Biologi Farmasi/C.05/UWH/I/2016

Assalamu'alaikum Wr. Wb.

Yang bertanda tangan dibawah ini, Kepala Bagian Biologi Farmasi Universitas Wahid Hasyim Semarang menerangkan bahwa:

Nama	: Yunita Hesti Hastuti
NIM	: 115010681
Fakultas	: Farmasi

Telah melakukan pembuatan ekstrak etanol rimpang kencur dalam rangka penelitian dengan judul:

"Pengaruh Pemberian Ekstrak Etanol Rimpang Kencur (*Kaempferia galanga* L.) Terhadap Kadar LDL dan HDL Tikus Betina Galur Wistar Terovariektomi".

Demikian surat keterangan ini dibuat untuk dipergunakan semestinya.

Wassalamu'alaikum Wr. Wb.

Semarang, 20 Januari 2016

Ka.Bag. Biologi Farmasi

Devi Nisa Hidayati, M.Sc

Lampiran 2. Surat Keterangan Telah Melakukan Penelitian di Laboratorium Farmakologi dan Farmasi Klinik, Fakultas Farmasi, Universitas Wahid Hasyim.

UNIVERSITAS WAHID HASYIM
FAKULTAS FARMASI
BAGIAN FARMAKOLOGI DAN FARMASI KLINIK
Jl. Menoreh Tengah X/22 Sampangan – Semarang 50236 Telp. (024) 8505680 – 8505681 Fax. (024) 8505680

SURAT KETERANGAN

No. 006 / lab-ffk / C.05 / UWH / I / 2016

Assalamu'alaikum Wr. Wb.

Yang bertanda tangan dibawah ini, Kepala Bagian Farmakologi dan Farmasi Klinik Fakultas Farmasi Universitas Wahid Hasyim Semarang menerangkan bahwa :

Nama : Yunita Hesti Hastuti

NIM : 115010681

Fak/ Univ : Farmasi/Universitas Wahid Hasyim Semarang

Telah melakukan penelitian di Laboratorium Farmakologi dan Farmasi Klinik Fakultas Farmasi Universitas Wahid Hasyim Semarang dalam rangka penelitian dengan judul :

"Pengaruh Pemberian Ekstrak Etanol Rimpang Kencur (*Kaempferia galanga* L.) Terhadap Kadar LDL dan HDL Tikus Betina Galur Wistar Terovariektomi".

Demikian surat keterangan ini dibuat untuk dipergunakan semestinya.

Wassalamu'alaikum Wr. Wb

Semarang, 20 Januari 2016

Ka.Bag Farmakologi dan Farmasi Klinik

Risha Frilah Fithria, M.Sc.,Apt

Lampiran 3. Surat Hasil Pemeriksaan Laboratoriun di Dinas Kesehatan Balai Laboratorium Kesehatan, Semarang.

Lampiran 3. Lanjutan ...

Kolesterol Lengkap			
Kolesterol	4.6 = 73.66	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	16	mg/dl	
LDL Kolesterol	47.38	mg/dl	
Trigliserid	51.4	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	56.66	mg/dl	
Kolesterol Lengkap			
Kolesterol	3.6 = 49.10	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	5	mg/dl	
LDL Kolesterol	38.4	mg/dl	
Trigliserid	28.5	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	43.1	mg/dl	
Kolesterol Lengkap			
Kolesterol	4.1 = 56.81	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	10	mg/dl	
LDL Kolesterol	39.59	mg/dl	
Trigliserid	36.0	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	49.81	mg/dl	
Kolesterol Lengkap			
Kolesterol	5.2 = 39.27	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	9	mg/dl	
LDL Kolesterol	22.27	mg/dl	
Trigliserid	40	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	36.27	mg/dl	
Kolesterol Lengkap			
Kolesterol	4.2 = 116.05	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	5	mg/dl	
LDL Kolesterol	96.71	mg/dl	
Trigliserid	71.7	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	92.05	mg/dl	
Kolesterol Lengkap			
Kolesterol	4.3 = 70.21	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	10	mg/dl	
LDL Kolesterol	44.35	mg/dl	
Trigliserid	79.3	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	57.21	mg/dl	
Kolesterol Lengkap			
Kolesterol	4.5 = 56.35	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	5	mg/dl	
LDL Kolesterol	35.67	mg/dl	
Trigliserid	78.4	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	47.35	mg/dl	
Kolesterol Lengkap			
Kolesterol	5.3 = 29.55	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	4	mg/dl	
LDL Kolesterol	19.55	mg/dl	
Trigliserid	30	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	25.55	mg/dl	
Kolesterol Lengkap			

Lampiran 3. Lanjutan..

Kolesterol Lengkap			
Kolesterol	5.4 = 31.89	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	5	mg/dl	
LDL Kolesterol	20.37	mg/dl	
Trigliserid	32.6	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	25.89	mg/dl	
Kolesterol Lengkap			
Kolesterol	5.5 = 57.42	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	6	mg/dl	
LDL Kolesterol	43.1	mg/dl	
Trigliserid	41.6	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	45.42	mg/dl	
Kolesterol Lengkap			
Kolesterol	5.6 = 70.56	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	16	mg/dl	
LDL Kolesterol	40.02	mg/dl	
Trigliserid	72.7	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	58.56	mg/dl	
Kolesterol Lengkap			
Kolesterol	5.7 = 61,01	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	2	mg/dl	
LDL Kolesterol	46.05	mg/dl	
Trigliserid	64.8	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	53.01	mg/dl	
Kolesterol Lengkap			
Kolesterol	6.1 = 43.30	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	7	mg/dl	
LDL Kolesterol	30.36	mg/dl	
Trigliserid	29.7	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	37.3	mg/dl	
Kolesterol Lengkap			
Kolesterol	6.3 = 41.30	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	10	mg/dl	
LDL Kolesterol	14.54	mg/dl	
Trigliserid	83.8	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	37.3	mg/dl	
Kolesterol Lengkap			
Kolesterol	6.4 = 30.03	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	2	mg/dl	
LDL Kolesterol	18.51	mg/dl	
Trigliserid	47.6	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	28.03	mg/dl	
Kolesterol Lengkap			
Kolesterol	6.5 = 22.8	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	1	mg/dl	
LDL Kolesterol	15.66	mg/dl	
Trigliserid	30.7	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	21.8	mg/dl	
Kolesterol Lengkap			

Lampiran 3. Lanjutan..

Kolesterol Lengkap			
Kolesterol	6.6 = 24	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	2	mg/dl	
LDL Kolesterol	18.76	mg/dl	
Trigliserid	16.2	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	22	mg/dl	
Kolesterol Lengkap			
Kolesterol	6.7 = 43.8	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	11	mg/dl	
LDL Kolesterol	25.3	mg/dl	
Trigliserid	37.5	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	38.8	mg/dl	
Kolesterol Lengkap			
Kolesterol	ovx1 = 75.07	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	24	mg/dl	
LDL Kolesterol	41.74	mg/dl	
Trigliserid	49.8	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	73.7	mg/dl	
Kolesterol Lengkap			
Kolesterol	ovx3 = 62.47	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	4	mg/dl	
LDL Kolesterol	45.31	mg/dl	
Trigliserid	65.8	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	51.47	mg/dl	
Kolesterol Lengkap			
Kolesterol	ovx5 = 33.98	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	3	mg/dl	
LDL Kolesterol	23.1	mg/dl	
Trigliserid	39.4	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	32.98	mg/dl	
Kolesterol Lengkap			
Kolesterol	ovx6 = 71	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	18	mg/dl	
LDL Kolesterol	46.18	mg/dl	
Trigliserid	34.1	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	66	mg/dl	
Kolesterol Lengkap			
Kolesterol	kontrol = 21.93	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	4	mg/dl	
LDL Kolesterol	5.11	mg/dl	
Trigliserid	64.1	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	15.93	mg/dl	
Kolesterol Lengkap			
Kolesterol	kontrol2 = 23.82	mg/dl	Cholesterol Oxidase-PAP (CHOD-PAP)
HDL Kolesterol	11	mg/dl	
LDL Kolesterol	1.14	mg/dl	
Trigliserid	58.4	mg/dl	GPO-PAP
Non Paket			
LDL Kolesterol (Direk)	20.82	mg/dl	

Lampiran 4. Perhitungan Pembuatan Larutan Stok

❖ Dosis ekstrak etanol rimpang kencur (EERK) yang digunakan dalam penelitian ini adalah 500 mg/kgBB dan 1000 mg/kgBB. Pembuatan larutan stok didapatkan dari perhitungan dosis 1000 mg/kgBB menggunakan berat rata-rata hewan uji yaitu 200 gram sebagai berikut :

Dosis EERK $= \frac{200\ gram}{1000\ gram} x\ 1000\ mg$

= 0,2 x 1000 mg

= 200 mg

Konsentrasi larutan stok untuk dosis EERK 1000 mg/kgBB

$= \frac{200\ mg}{2{,}5\ ml}$ = 80 mg/ml = 8000 mg/100 ml = 8 g/100 ml = 8%

Pembuatan larutan stok dari dosis 500 mg/KgBB

Dosis EERK $= \frac{200\ gram}{1000\ gram} x\ 500\ mg$

= 0,2 x 500 mg

= 100 mg

Konsentrasi larutan stok untuk dosis EERK 500 mg/KgBB

$= \frac{100\ mg}{2{,}5\ ml}$ = 40 mg/ml = 4000 mg/100ml = 4 g/100 ml = 4%

❖ Kelompok kontrol positif di beri perlakuan Estradiol 2 µg setiap hari perhitungan volume pemberian :

Tablet estradiol dosis 2 mg add 1000 ml aquadest

$$\frac{2\ \text{mg}}{1000\ \text{ml}} = \frac{2000\ \mu\text{g}}{1000\ \text{ml}} = \frac{2\ \mu\text{g}}{1\ \text{ml}}$$

Volume pemberian = 1 ml

Lampiran 5. Hasil Uji Statistik Penetapan Kadar LDL Setelah Pemberian Sediaan Uji Selama 30 Hari.

1. Uji Homogenitas

Test of Homogeneity of Variances

DataLDL

Levene Statistic	df1	df2	Sig.
2,359	5	24	,071

2. Uji Normalitas

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DataLDL	kelompok I non OVX	,400	5	,009	,735	5	,021
	kelompok II OVX	,199	5	,200*	,961	5	,818
	Kelompok III CMC-Na 0,5%	,173	5	,200*	,955	5	,776
	Kelompok Estradiol	,221	5	,200*	,970	5	,877
	EERK dosis 500mg/KgBB	,212	5	,200*	,907	5	,451
	EERK dosis 1000mg/KgBB	,335	5	,069	,832	5	,145

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

a. Lilliefors Significance Correction

3. Uji kruskal wallis

Test Statistics[a,b]

	DataLDL
Chi-Square	17,428
Df	4
Asymp. Sig.	,002

a. Kruskal Wallis Test

b. Grouping Variable: perlakuan

Lampiran 5. Lanjutan..

4. Uji Mann Whitney

Test Statistics[a]

	DataLDL
Mann-Whitney U	,000
Wilcoxon W	15,000
Z	-2,611
Asymp. Sig. (2-tailed)	,009
Exact Sig. [2*(1-tailed Sig.)]	,008[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Kelompok 1 dan 2

Test Statistics[a]

	DataLDL
Mann-Whitney U	5,000
Wilcoxon W	20,000
Z	-1,567
Asymp. Sig. (2-tailed)	,117
Exact Sig. [2*(1-tailed Sig.)]	,151[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Kelompok 2 dan 3

Test Statistics[a]

	DataLDL
Mann-Whitney U	11,000
Wilcoxon W	26,000
Z	-,313
Asymp. Sig. (2-tailed)	,754
Exact Sig. [2*(1-tailed Sig.)]	,841[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Kelompok 2 dan 4

Lampiran 5. Lanjutan...

Test Statistics[a]

Kelompok 2 dan 5

	DataLDL
Mann-Whitney U	11,000
Wilcoxon W	26,000
Z	-,313
Asymp. Sig. (2-tailed)	,754
Exact Sig. [2*(1-tailed Sig.)]	,841[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Test Statistics[a]

Kelompok 2 dan 6

	DataLDL
Mann-Whitney U	3,000
Wilcoxon W	18,000
Z	-1,991
Asymp. Sig. (2-tailed)	,047
Exact Sig. [2*(1-tailed Sig.)]	,056[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Test Statistics[a]

Kelompok 3 dan 4

	DataLDL
Mann-Whitney U	2,000
Wilcoxon W	17,000
Z	-2,193
Asymp. Sig. (2-tailed)	,028
Exact Sig. [2*(1-tailed Sig.)]	,032[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Lampiran 5. Lanjutan...

Test Statistics[a]

	DataLDL
Mann-Whitney U	1,000
Wilcoxon W	16,000
Z	-2,402
Asymp. Sig. (2-tailed)	,016
Exact Sig. [2*(1-tailed Sig.)]	,016[b]

Kelompok 3 dan 5

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Test Statistics[a]

	DataLDL
Mann-Whitney U	,000
Wilcoxon W	15,000
Z	-2,619
Asymp. Sig. (2-tailed)	,009
Exact Sig. [2*(1-tailed Sig.)]	,008[b]

Kelompok 3 dan 6

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Test Statistics[a]

	DataLDL
Mann-Whitney U	5,000
Wilcoxon W	20,000
Z	-1,567
Asymp. Sig. (2-tailed)	,117
Exact Sig. [2*(1-tailed Sig.)]	,151[b]

Kelompok 4 dan 5

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Lampiran 5. Lanjutan...

Test Statistics[a]

Kelompok 4 dan 6

	DataLDL
Mann-Whitney U	,000
Wilcoxon W	15,000
Z	-2,619
Asymp. Sig. (2-tailed)	,009
Exact Sig. [2*(1-tailed Sig.)]	,008[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Test Statistics[a]

Kelompok 5 dan 6

	DataLDL
Mann-Whitney U	11,000
Wilcoxon W	26,000
Z	-,314
Asymp. Sig. (2-tailed)	,753
Exact Sig. [2*(1-tailed Sig.)]	,841[b]

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Lampiran 6. Hasil Uji Statistik Penetapan Kadar HDL Setelah Pemberian Sediaan Uji Selama 30 Hari

1. Uji homogenitas

Test of Homogeneity of Variances

dataHDL

Levene Statistic	df1	df2	Sig.
1,974	5	24	,119

2. Uji normalitas

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
dataHDL	Kelompok I non OVX	,248	5	,200*	,881	5	,314
	kelompok II OVX	,205	5	,200*	,914	5	,493
	CMC-Na 0,5%	,261	5	,200*	,902	5	,421
	Kelompok Estradiol	,257	5	,200*	,943	5	,685
	EERK dosis 500mg/kgBB	,260	5	,200*	,850	5	,196
	EERK dosis 1000mg/kgBB	,222	5	,200*	,889	5	,350

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

a. Lilliefors Significance Correction

3. Uji annova

ANOVA

dataHDL

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	343,767	5	68,753	1,601	,198
Within Groups	1030,400	24	42,933		
Total	1374,167	29			

Lampiran 6. Lanjutan..

4. Uji Tukey

Multiple Comparisons

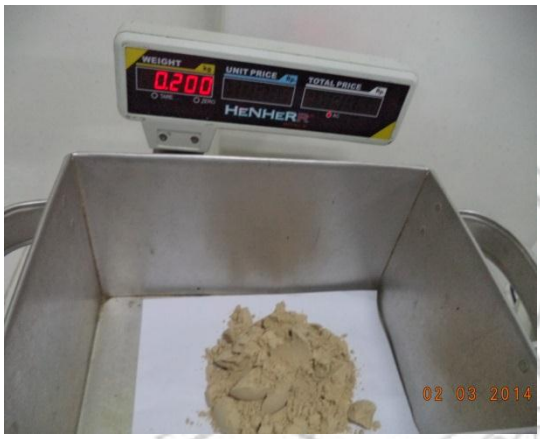
Dependent Variable: dataHDL

Tukey HSD

(I) perlakuan	(J) perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kelompok I non OVX	kelompok II OVX	-5,0000	4,1441	,829	-17,813	7,813
	CMC-Na 0,5%	-8,6000	4,1441	,333	-21,413	4,213
	Kelompok Estradiol	-6,0000	4,1441	,699	-18,813	6,813
	EERK dosis 500mg/kgBB	-1,2000	4,1441	1,000	-14,013	11,613
	EERK dosis 1000mg/kgBB	,6000	4,1441	1,000	-12,213	13,413
kelompok II OVX	Kelompok I non OVX	5,0000	4,1441	,829	-7,813	17,813
	CMC-Na 0,5%	-3,6000	4,1441	,950	-16,413	9,213
	Kelompok Estradiol	-1,0000	4,1441	1,000	-13,813	11,813
	EERK dosis 500mg/kgBB	3,8000	4,1441	,938	-9,013	16,613
	EERK dosis 1000mg/kgBB	5,6000	4,1441	,754	-7,213	18,413
CMC-Na 0,5%	Kelompok I non OVX	8,6000	4,1441	,333	-4,213	21,413
	kelompok II OVX	3,6000	4,1441	,950	-9,213	16,413
	Kelompok Estradiol	2,6000	4,1441	,988	-10,213	15,413
	EERK dosis 500mg/kgBB	7,4000	4,1441	,493	-5,413	20,213
	EERK dosis 1000mg/kgBB	9,2000	4,1441	,265	-3,613	22,013
Kelompok Estradiol	Kelompok I non OVX	6,0000	4,1441	,699	-6,813	18,813
	kelompok II OVX	1,0000	4,1441	1,000	-11,813	13,813
	CMC-Na 0,5%	-2,6000	4,1441	,988	-15,413	10,213
	EERK dosis 500mg/kgBB	4,8000	4,1441	,852	-8,013	17,613

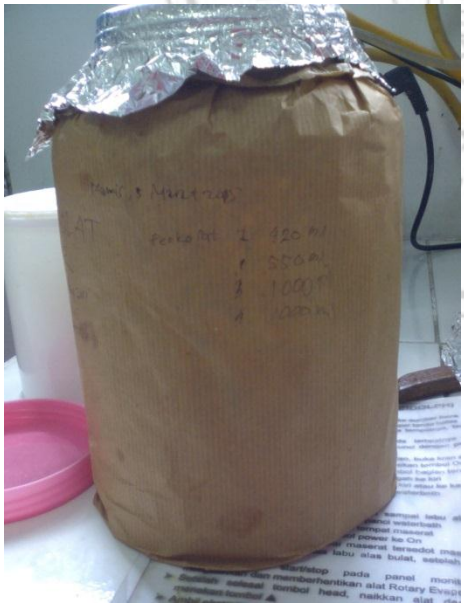
	EERK dosis 1000mg/kgBB	6,6000	4,1441	,611	-6,213	19,413
	Kelompok I non OVX	1,2000	4,1441	1,000	-11,613	14,013
	kelompok II OVX	-3,8000	4,1441	,938	-16,613	9,013
EERK dosis 500mg/kgBB	CMC-Na 0,5%	-7,4000	4,1441	,493	-20,213	5,413
	Kelompok Estradiol	-4,8000	4,1441	,852	-17,613	8,013
	EERK dosis 1000mg/kgBB	1,8000	4,1441	,998	-11,013	14,613
	Kelompok I non OVX	-,6000	4,1441	1,000	-13,413	12,213
	kelompok II OVX	-5,6000	4,1441	,754	-18,413	7,213
EERK dosis 1000mg/kgBB	CMC-Na 0,5%	-9,2000	4,1441	,265	-22,013	3,613
	Kelompok Estradiol	-6,6000	4,1441	,611	-19,413	6,213
	EERK dosis 500mg/kgBB	-1,8000	4,1441	,998	-14,613	11,013

Lampiran 7. Dokumentasi Penelitian



Penimbangan serbuk kencur.

Proses perkolasi serbuk Kencur.



Hasil Perkolat Rimpang Kencur.

Proses penguapan perkolat rimpang kencur dengan *Rotary evaporatory*

Lampiran 7. Lanjutan...

Ekstrak kental rimpang kencur

Persiapan alat dan bahan untuk ovariektomi

Penimbangan tikus galur wistar untuk Pemberian antibiotik prefentif

pemberian antibiotik prefentif secara per oral

Lampiran 7. Lanjutan...

tikus di anestesi menggunakan ketamin

Tikus mulai tidak sadar/pingsan

Proses pembedahan

Hasil pembedahan

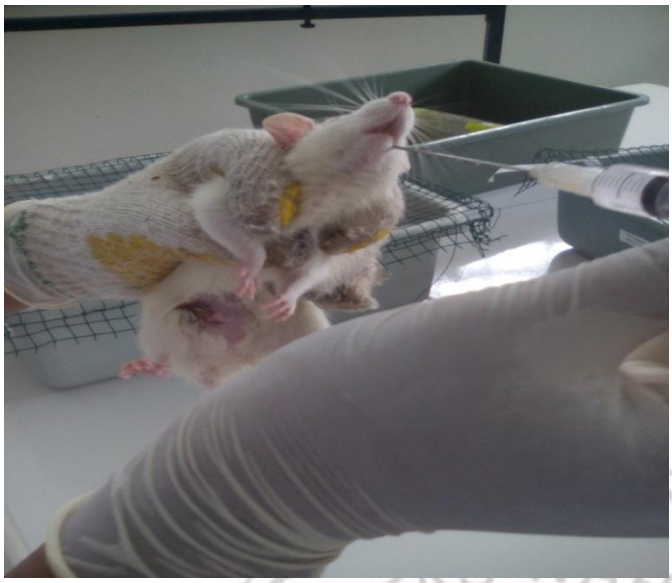
Lampiran 6. Lanjutan...

Pengangkatan ovarium tikus (ovariektomi)

Tikus setelah diovariektomi

Penimbangan tikus untuk pemberian sediaan uji

Lampiran 7. Lanjutan...



Pemberian sediaan uji

Pengambilan darah tikus melalui sinus orbitalis