

LAMPIRAN

Lampiran 1. Kode Etik



KOMISI ETIK PENELITIAN KESEHATAN UNIVERSITAS BHAKTI KENCANA

Jl. Soekarno - Hatta 754. Bandung
Telp : 022-7830 760 / 022-7830-768
Email : komisi.etik@bku.ac.id



KOMISI ETIK PENELITIAN KESEHATAN
HEALTH RESEARCH ETHICS COMMITTEE
UNIVERSITAS BHAKTI KENCANA
BHAKTI KENCANA UNIVERSITY

KETERANGAN LAYAK ETIK
DESCRIPTION OF ETHICAL APPROVAL
"ETHICAL APPROVAL"
179/09.KEPK/UBK/VII/2025

Protokol penelitian yang diusulkan oleh :
The research protocol proposed by :

Peneliti Utama : Sarah Nadia.
Principal In Investigator

Nama institusi : Universitas Bhakti kencana
Name of institution

Dengan judul :
Title

Uji Aktivitas Antidislipidemia Ekstrak Daun Girang (*Leea indica* (Burm. F.) Merr) Terhadap Tikus Jantan Wistar

*Antidyslipidemia Activity Test of Girang Leaf Extract (*Leea indica* (Burm. F.) Merr) on Male Wistar Rats*

Dinyatakan layak etik sesuai (tujuh) standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, dan 4) Risiko, 5) Bujukan atau eksploitasi, 6) Kerahasiaan atau Privacy, 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.

Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 standards. 1) Social Value, 2) Scientific Value, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion/Exploitation, 6) Confidentiality and Privacy, and Informed Consent, referring to the 2016 CIOMS guidelines. This is as indicated by the fulfillment of the indicators of each standards.

Pernyataan Laik Etik ini berlaku selama kurun waktu 01 Juli 2025 sampai dengan tanggal 01 Juli 2026.

This declaration of ethics applies during the period 1st July 2025 until 1st July 2026.

01 Juli 2025
Professor and Chairperson

R. Nety Kustikayanti, S.Kp., M.Kep
NPK. 02019010336

Lampiran 2. Determinasi Tanaman

HERBARIUM JATINANGOR
LABORATORIUM TAKSONOMI TUMBUHAN
JURUSAN BIOLOGI FMIPA UNPAD
 Gedung D2-212, Jl. Raya Bandung Sumedang Km 21 Jatinangor
 Telp. 089689992695, email: phanerogamae@yahoo.com

LEMBAR IDENTIFIKASI TUMBUHAN
 No.90/HB/02/2025.

Herbarium Jatinangor, Laboratorium Taksonomi Tumbuhan, Jurusan Biologi FMIPA UNPAD, dengan ini menerangkan bahwa:

Nama : Sarah Nadia
 NIM/NIDN : 211FF03035
 Instansi : Universitas Bhakti Kencana.
 Lokasi : Bandung.

Telah melakukan identifikasi tumbuhan, dengan No. Koleksi: -
 Tanggal Koleksi : 18 Februari 2025

Hasil Identifikasi

Nama Ilmiah : *Leea indica* (Burm.f.) Merr.
 Sinonim : *Leea biserrata* Miq.
 Nama Lokal : Daun Girang
 Famili : Vitaceae

Klasifikasi (Hirarki Taksonomi)

Kingdom : Plantae
 Divisi : Tracheophytes
 Class : Angiosperms
 Ordo : Vitales
 Famili : Vitaceae
 Genus : *Leea*
 Species : *Leea indica* (Burm.f.) Merr.

Referensi:

Cronquist, Arthur. 1981. *An Integrated System of Classification of Flowering Plants*.
 Columbia University Press. New York

The Plant List. *Website Dunia Tumbuhan*. <http://www.theplantlist.org/tp11.1/record/kew-158489>.

Backer, C. A. and Bakhuizen v/d Brink R. C Jr. 1963. *Flora of Java*. Wolter-Noordhoff NV. Groningen.

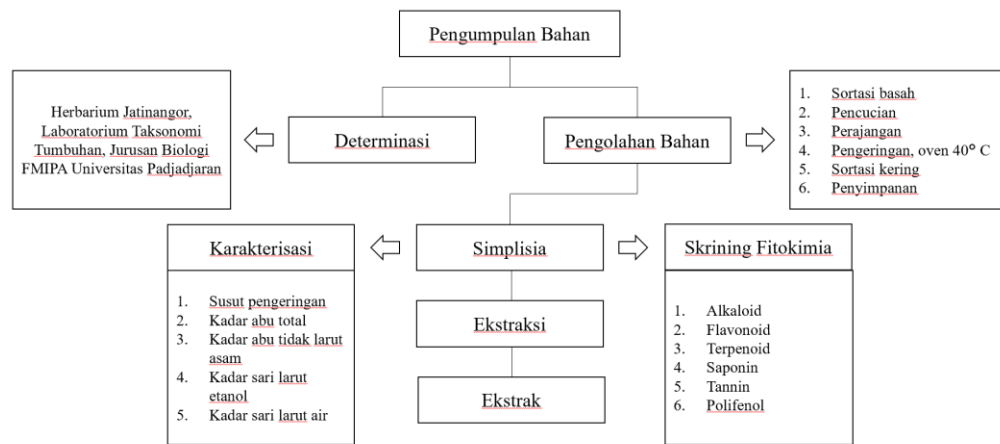
Jatinangor, 19 Februari 2025.

Identifikator,

LABORATORIUM TAKSONOMI TUMBUHAN
 JURUSAN BIOLOGI FMIPA-UNPAD

Drs. Joko Kusmoro, M.P.
 NIP. 19600801 199101 1 001

*Lampiran 3.*Prosedur Pengolahan Simplisia Daun Girang (*Leea indica*)



Lampiran 4. Pengolahan Simplisia

		
Sortasi Basah	Pencucian	Pengeringan
		
Sortasi Kering	Proses Grinder	Serbuk Simplisia

Lampiran 5. Perhitungan Karakterisasi Daun Girang (*Leea indica*)



(Susut Pengerinan)



(Kadar Abu Total)

$$= \frac{\text{Berat Abu}}{\text{Berat Simplisia}} = \frac{0,19}{2} \times 100\% = 9,5\%$$



(Kadar Abu Tidak Larut Asam)

$$= \frac{\text{Berat Abu}}{\text{Berat Simplisia}} = \frac{0,02}{2} \times 100\% = 1\%$$



(Kadar Sari Larut Air)

$$= \frac{\text{Berat Sari}}{\text{Berat Simplisia}} \times \frac{100}{20}$$

$$= \frac{0,11}{5} \times 5 \times 100\% = 11\%$$

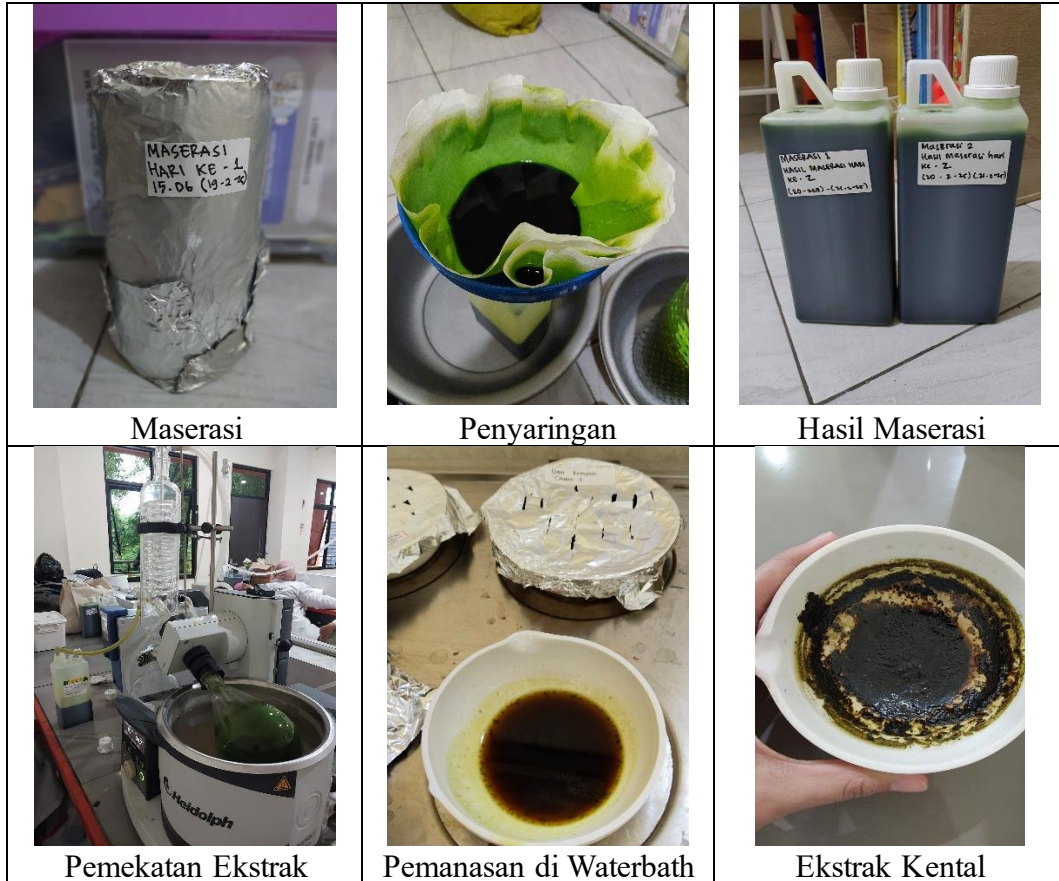


(Kadar Sari Larut Etanol)

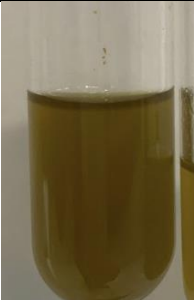
$$= \frac{\text{Berat Sari}}{\text{Berat Simplisia}} \times \frac{100}{20}$$

$$= \frac{0,07}{5} \times 5 \times 100\% = 7\%$$

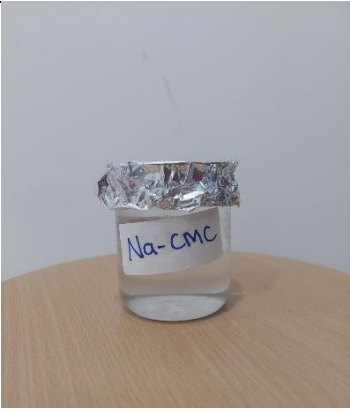
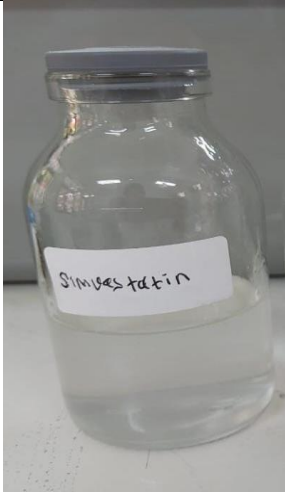
Lampiran 6. Ekstraksi Daun Girang (*Leea indica* (Burm.F.) Merr)



Lampiran 7. Skrining Fitokimia

			
Alkaloid (Wagner +)	Alkaloid (Mayer +)	Alkaloid (Dragendorff +)	Flavonoid (+)
			
Tanin (+)	Saponin (+)	Steroid/Terpenoid (+)	

Lampiran 8. Sediaan Larutan Uji

	
Na CMC 0,5% (Kontrol Negatif)	Ekstrak Daun Girang (<i>Leea indica</i>)
	
Larutan Obat Simvastatin	

Lampiran 9. Hasil Analisis Statistik Kadar LDL

Tests of Normality

	KELOMPOK	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
LDL28	NORMAL	.318	5	.110	.863	5	.240
	INDUKSI	.204	5	.200 [*]	.918	5	.514
	PEMBANDING	.175	5	.200 [*]	.959	5	.804
	DOSIS 1	.196	5	.200 [*]	.941	5	.674
	DOSIS 2	.265	5	.200 [*]	.921	5	.533
	DOSIS 3	.308	5	.136	.910	5	.470

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

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
LDL28	Based on Mean	.449	5	24	.810
	Based on Median	.314	5	24	.899
	Based on Median and with adjusted df	.314	5	20.444	.899
	Based on trimmed mean	.459	5	24	.802

ANOVA

LDL28

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1393.574	5	278.715	147.338	.000
Within Groups	45.400	24	1.892		
Total	1438.974	29			

Multiple Comparisons

Dependent Variable: LDL28

Bonferroni

(I) KELOMPOK	(J) KELOMPOK	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
NORMAL	INDUKSI	-17.98000*	.86987	.000	-20.8144	-15.1456
	PEMBANDING	-.68000	.86987	1.000	-3.5144	2.1544
	DOSIS 1	1.60000	.86987	1.000	-1.2344	4.4344
	DOSIS 2	.10000	.86987	1.000	-2.7344	2.9344
	DOSIS 3	.06000	.86987	1.000	-2.7744	2.8944
INDUKSI	NORMAL	17.98000*	.86987	.000	15.1456	20.8144
	PEMBANDING	17.30000*	.86987	.000	14.4656	20.1344
	DOSIS 1	19.58000*	.86987	.000	16.7456	22.4144
	DOSIS 2	18.08000*	.86987	.000	15.2456	20.9144
	DOSIS 3	18.04000*	.86987	.000	15.2056	20.8744
PEMBANDING	NORMAL	.68000	.86987	1.000	-2.1544	3.5144
	INDUKSI	-17.30000*	.86987	.000	-20.1344	-14.4656
	DOSIS 1	2.28000	.86987	.225	-.5544	5.1144
	DOSIS 2	.78000	.86987	1.000	-2.0544	3.6144
	DOSIS 3	.74000	.86987	1.000	-2.0944	3.5744
DOSIS 1	NORMAL	-1.60000	.86987	1.000	-4.4344	1.2344
	INDUKSI	-19.58000*	.86987	.000	-22.4144	-16.7456
	PEMBANDING	-2.28000	.86987	.225	-5.1144	.5544
	DOSIS 2	-1.50000	.86987	1.000	-4.3344	1.3344
	DOSIS 3	-1.54000	.86987	1.000	-4.3744	1.2944
DOSIS 2	NORMAL	-.10000	.86987	1.000	-2.9344	2.7344
DOSIS 2	NORMAL	-.10000	.86987	1.000	-2.9344	2.7344
	INDUKSI	-18.08000*	.86987	.000	-20.9144	-15.2456
	PEMBANDING	-.78000	.86987	1.000	-3.6144	2.0544
	DOSIS 1	1.50000	.86987	1.000	-1.3344	4.3344
	DOSIS 3	-.04000	.86987	1.000	-2.8744	2.7944
DOSIS 3	NORMAL	-.06000	.86987	1.000	-2.8944	2.7744
	INDUKSI	-18.04000*	.86987	.000	-20.8744	-15.2056
	PEMBANDING	-.74000	.86987	1.000	-3.5744	2.0944
	DOSIS 1	1.54000	.86987	1.000	-1.2944	4.3744
	DOSIS 2	.04000	.86987	1.000	-2.7944	2.8744

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

Lampiran 10. Hasil Analisis Statistik Kadar HDL

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	KELOMPOK	Statistic	df	Sig.	Statistic	df	Sig.
HDL28	NORMAL	.181	5	.200 [*]	.964	5	.836
	INDUKSI	.189	5	.200 [*]	.962	5	.823
	PEMBANDING	.206	5	.200 [*]	.966	5	.847
	DOSIS 1	.320	5	.104	.857	5	.216
	DOSIS 2	.301	5	.158	.893	5	.375
	DOSIS 3	.314	5	.121	.829	5	.137

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

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
HDL28	Based on Mean	.795	5	24	.564
	Based on Median	.138	5	24	.982
	Based on Median and with adjusted df	.138	5	17.555	.981
	Based on trimmed mean	.730	5	24	.608

ANOVA

HDL28

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1242.567	5	248.513	40.852	.000
Within Groups	146.000	24	6.083		
Total	1388.567	29			

Multiple Comparisons

Dependent Variable: HDL28

Bonferroni

(I) KELOMPOK	(J) KELOMPOK	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
NORMAL	INDUKSI	12.20000*	1.55991	.000	7.1172	17.2828
	PEMBANDING	-5.80000*	1.55991	.016	-10.8828	-.7172
	DOSIS 1	-3.36000	1.55991	.622	-8.4428	1.7228
	DOSIS 2	-6.58000*	1.55991	.005	-11.6628	-1.4972
	DOSIS 3	-4.80000	1.55991	.077	-9.8828	.2828
INDUKSI	NORMAL	-12.20000*	1.55991	.000	-17.2828	-7.1172
	PEMBANDING	-18.00000*	1.55991	.000	-23.0828	-12.9172
	DOSIS 1	-15.56000*	1.55991	.000	-20.6428	-10.4772
	DOSIS 2	-18.78000*	1.55991	.000	-23.8628	-13.6972
	DOSIS 3	-17.00000*	1.55991	.000	-22.0828	-11.9172
PEMBANDING	NORMAL	5.80000*	1.55991	.016	.7172	10.8828
	INDUKSI	18.00000*	1.55991	.000	12.9172	23.0828
	DOSIS 1	2.44000	1.55991	1.000	-2.6428	7.5228
	DOSIS 2	-.78000	1.55991	1.000	-5.8628	4.3028
	DOSIS 3	1.00000	1.55991	1.000	-4.0828	6.0828
DOSIS 1	NORMAL	3.36000	1.55991	.622	-1.7228	8.4428
	INDUKSI	15.56000*	1.55991	.000	10.4772	20.6428
	PEMBANDING	-2.44000	1.55991	1.000	-7.5228	2.6428
DOSIS 2	NORMAL	3.36000	1.55991	.622	-1.7228	8.4428
	INDUKSI	15.56000*	1.55991	.000	10.4772	20.6428
	PEMBANDING	-2.44000	1.55991	1.000	-7.5228	2.6428
	DOSIS 1	-3.22000	1.55991	.750	-8.3028	1.8628
	DOSIS 3	-1.44000	1.55991	1.000	-6.5228	3.6428
DOSIS 3	NORMAL	6.58000*	1.55991	.005	1.4972	11.6628
	INDUKSI	18.78000*	1.55991	.000	13.6972	23.8628
	PEMBANDING	.78000	1.55991	1.000	-4.3028	5.8628
	DOSIS 1	3.22000	1.55991	.750	-1.8628	8.3028
	DOSIS 2	1.78000	1.55991	1.000	-3.3028	6.8628
DOSIS 1	NORMAL	4.80000	1.55991	.077	-.2828	9.8828
	INDUKSI	17.00000*	1.55991	.000	11.9172	22.0828
	PEMBANDING	-1.00000	1.55991	1.000	-6.0828	4.0828
	DOSIS 2	1.44000	1.55991	1.000	-3.6428	6.5228
	DOSIS 3	-1.78000	1.55991	1.000	-6.8628	3.3028

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

Lampiran 11. Hasil Turnitin

ORIGINALITY REPORT			
18%	18%	3%	9%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS
PRIMARY SOURCES			
1	jurnal.unpad.ac.id Internet Source	6%	
2	www.scribd.com Internet Source	2%	
3	etheses.uin-malang.ac.id Internet Source	2%	
4	docplayer.info Internet Source	1%	
5	eprints.undip.ac.id Internet Source	1%	
6	repository.bku.ac.id Internet Source	1%	
7	Submitted to fpptijateng Student Paper	1%	
8	Submitted to Doral Academy High School Student Paper	1%	
9	Submitted to Fakultas Kedokteran Universitas Pattimura Student Paper	1%	

Lampiran 12. Lembar Bimbingan

NIM

211FF03020

Nama Mahasiswa

IIS SITI LATIFAH MULQIAH

Program Studi

S1 Farmasi

Jenis TA

Skripsi

Periode Mulai

2024 Ganjil

SKS Lulus

149 SKS

Tgl. Mulai

4 Maret 2025

Judul Tugas Akhir

Aktivitas Antidislipidemia Ekstrak Daun Girang (*Leea Indica* (Burm. F.) Merr.) Terhadap Kadar Ldl (Low-Density Lipoprotein) Dan Hdl (High-Density Lipoprotein) Pada Tikus Jantan Wistar

Tahap

Sidang Akhir/ Komprehensif (Ujian)

Status

Selesai

No	Tanggal	Dosen Pembimbing	Topik	Disetujui	Aksi
1	10 Maret 2025	Dr. apt. Patonah, M.Si	Pengujian T0	✓	
1	13 Februari 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 1	✓	
2	5 Mei 2025	Dr. apt. Patonah, M.Si	Kemajuan 1 TA2	✓	
2	5 Maret 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 2	✓	
3	18 Maret 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 3	✓	
3	19 Mei 2025	Dr. apt. Patonah, M.Si	bimbingan ke 3	✓	
4	5 Juni 2025	Dr. apt. Patonah, M.Si	Bimbingan ke 4	✓	
4	24 April 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 4	✓	
5	11 Juli 2025	Dr. apt. Patonah, M.Si	Bimbingan ke 5	✓	
5	5 Mei 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 5	✓	
6	14 Mei 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 6	✓	
7	19 Mei 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 7	✓	
8	5 Juni 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 8	✓	
9	12 Juni 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 9	✓	
10	16 Juni 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 10	✓	
11	10 Juli 2025	Dr. apt. Widhya Aligita, M.Si.	Bimbingan ke 11	✓	

Lampiran 13. Riwayat Hidup



BIODATA

Nama Lengkap	: Iis Siti Latifah Mulqiah
Nama Panggilan	: Iis
Tempat/Tanggal Lahir	: Bandung, 8 Juni 2003
Agama	: Islam
Kewarganegaraan	: Indonesia
Alamat	: Kp. Kedokan RT02/RW03 Ds. Babakan Kec. Ciparay Kab. Bandung
Telepon	: 088223461146
Email	: iislatifah863@gmail.com
Nama Ayah	: Anda Suhandha
Nama Ibu	: Lili Setiawati
Anak ke-	: 5 dari 5 bersaudara

PENDIDIKAN

SD	: SDS Muhammadiyah 5
SMP	: SMP Negeri 3 Ciparay
SMK	: SMK Farmasi As-Shifa
S1	: Universitas Bhakti Kencana Bandung