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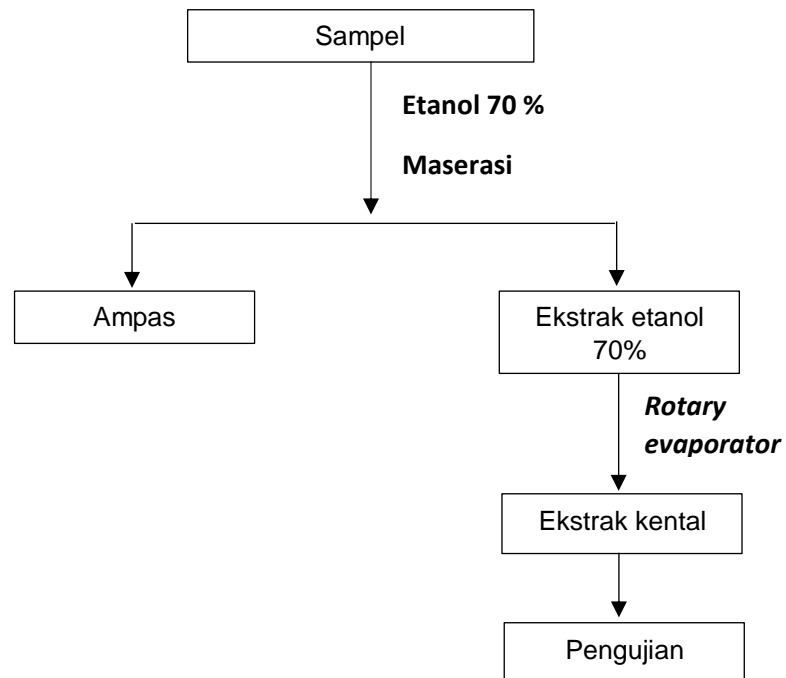
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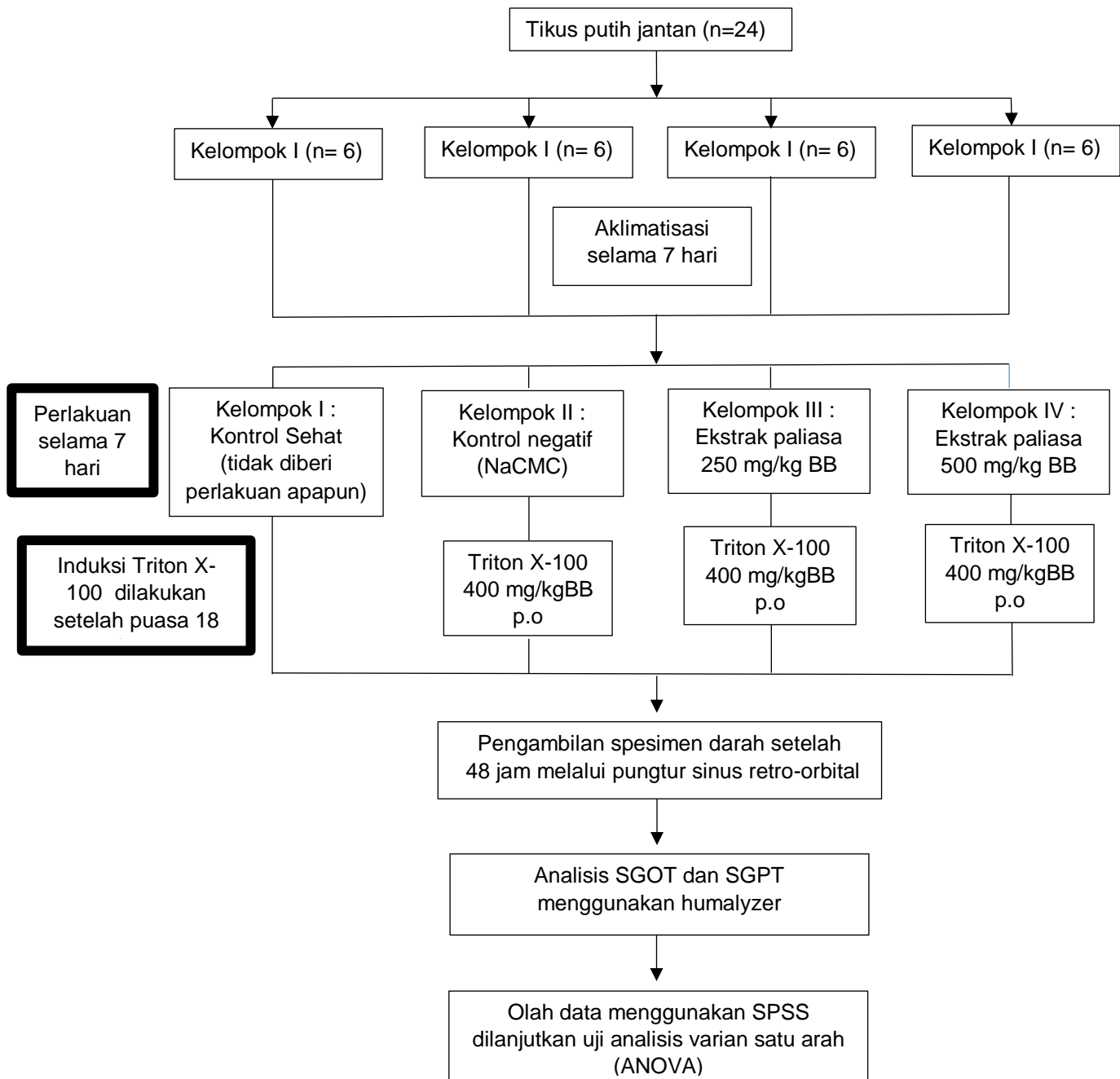
LAMPIRAN

Lampiran 1. Skema Kerja

Lampiran 1.1 Skema kerja ekstraksi



Lampiran 1.2 Skema kerja pengujian



Lampiran 2. Perhitungan Dosis

Lampiran 2.1 Perhitungan dosis Triton X-100

Kandungan Triton X-100 dalam 1 ml

Dosis Triton X 100, 400mg/kgBB

$$\frac{400 \text{ mg}}{1000 \text{ g}} \times 200 \text{ g} = 80 \text{ mg} / 200 \text{ g BB}$$

Diketahui 1 ml Triton X-100 setara dengan 1300 mg

$$\frac{1300 \text{ mg}}{1 \text{ ml}} = \frac{80 \text{ mg}}{x}$$

$$x = 0,0615 \text{ ml}$$

Dosis Triton X-100 dalam 10 ml labu tentukur pada tikus dengan berat 200 g

$$\frac{0,0615 \text{ ml}}{2,00} = \frac{x}{10 \text{ ml}}$$

$$x = 0,3077 \text{ ml} \sim 307,7 \mu\text{L}$$

- **Perhitungan dosis ekstrak etanol daun Paliasa (*Kleinhovia hospita* Linn)**

a. Dosis 250mg/kgBB untuk tikus dengan berat 200 g

$$\frac{250 \text{ mg}}{1000 \text{ g}} \times 200 \text{ g} = 50 \text{ mg}$$

b. Dosis 500mg/kgBB untuk tikus dengan berat 200 g

$$\frac{500 \text{ mg}}{1000 \text{ g}} \times 200 \text{ g} = 100 \text{ mg}$$

berikan volume suspensi ekstrak daun paliasa diberikan sesuai dengan bobot tikus, dimana setiap 200 gram bobot tikus diberikan suspensi sebanyak 2 ml.



Lampiran 3. Data Hasil Pengukuran Kadar SGOT dan SGPT

Lampiran 3.1 Hasil pengukuran kadar SGOT

Tabel 3. Hasil pengukuran kadar SGOT (U/L)

Kontrol normal + NaCMC	Kontrol negatif (Triton X)	Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)
102	187	30,6	129
112	431	24,8	79,6
93,3	368	32,9	146
99,7	163	22,4	140

Lampiran 3.1 Hasil pengukuran kadar SGPT

Tabel 4. Hasil pengukuran kadar SGPT (U/L)

Kontrol normal + NaCMC	Kontrol negatif (Triton X)	Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)
51,3	63,5	43,5	104
39	67,6	43,6	41,3
37,8	53,3	37,8	108
31,4	48	51,7	46,1



Lampiran 4. Data Hasil Analisis Statistika

Lampiran 4.1 Data hasil analisis statistika SGOT

Lampiran 4.1.1 Two-Sample Kolmogorov-Smirnov Test

Tabel 5. Frequencies

Kelompok	N
Kontrol normal + NaCMC	4
Kontrol negatif (Triton X)	4
Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	4
Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)	4

Tabel 6. Tests of Normality

kelompok	Kolmogorov-Smirnov ^a		Shapiro-Wilk	
	Statistic	Sig.	Statistic	Sig.
Kontrol normal + NaCMC	0,237		0,969	0,836
Kontrol negatif (Triton X)	0,275		0,872	0,305
SGOT Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	0,225		0,930	0,596
Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)	0,320		0,823	0,151

Lampiran 4.1.2 One way anova

Tabel 7. Descriptive

Kelompok	Mean	Std. Deviation	95% Confidence Interval for Mean		Minimum	Maximum
			Lower Bound	Upper Bound		
Kontrol normal + NaCMC	101,7500	7,76166	89,3995	114,1005	93,30	112,00
Kontrol negatif (Triton X)	287,2500	132,50503	76,4049	498,0951	163,00	431,00
Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	27,6750	4,89719	19,8825	35,4675	22,40	32,90
Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)	123,6500	30,19862	75,5973	171,7027	79,60	146,00
Total	135,0813	115,29487	73,6450	196,5175	22,40	431,00



Tabel 8. Anova

	Sum of Squares	Mean Square	F	Sig.
Between Groups	143732,31	47910,769	10,329	0,001
Within Groups	55661,298	4638,441		
Total	199393,6			

Tabel 9. Test of Homogeneity of Variances

		Levene Statistic	Sig.
SGOT	Based on Mean	40,580972	1,47005E-06
	Based on Median	29,0153274	8,78006E-06
	Based on Median and with adjusted df	29,0153274	0,00060259
	Based on trimmed mean	39,22878373	1,76614E-06

Lampiran 4.1.3 Post hoc tests**Tabel 10. Hasil Uji LSD**

(I) kelompok		Mean Difference (I-J)	Sig.	95% Confidence Interval	
				Lower Bound	Upper Bound
Kontrol normal + NaCMC	negatif	-185.50000*	0,002	-290,4279	-80,5721
	ekstrak 250	74,07500	0,150	-30,8529	179,0029
	esktrak 500	-21,90000	0,657	-126,8279	83,0279
Kontrol negatif (Triton X)	normal	185.50000*	0,002	80,5721	290,4279
	ekstrak 250	259.57500*	0,000	154,6471	364,5029
	esktrak 500	163.60000*	0,005	58,6721	268,5279
Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	normal	-74,07500	0,150	-179,0029	30,8529
	negatif	-259.57500*	0,000	-364,5029	-154,6471
	esktrak 500	-95,97500	0,070	-200,9029	8,9529
Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)	normal	21,90000	0,657	-83,0279	126,8279
	negatif	-163.60000*	0,005	-268,5279	0,0000
	ekstrak 250	95,97500	0,070	-8,9529	200,9029

Lampiran 4.2 Data hasil analisis statistika SGPT**Lampiran 4.1.1 Two-Sample Kolmogorov-Smirnov Test****Tabel 11. Frequencies**

Kelompok	N
Kontrol normal + NaCMC	4
Kontrol negatif (Triton X)	4
Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	4
Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)	4



Tabel 12. Tests of Normality

kelompok	Kolmogorov-Smirnov ^a		Shapiro-Wilk	
	Statistic	Sig.	Statistic	Sig.
SGPT	Kontrol normal + NaCMC	0,292	0,928	0,584
	Kontrol negatif (Triton X)	0,225	0,941	0,660
	Ekstrak 250 (Triton X + Paliasa 250 mg/kg)	0,288	0,934	0,618
	Ekstrak 500 (Triton X + Paliasa 500 mg/Kg)	0,291	0,789	0,084

Lampiran 4.1.2 One way anova

Tabel 13. Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SGPT	Based on Mean	49,487	3	12	0,000
	Based on Median	40,832	3	12	0,000
	Based on Median and with adjusted df	40,832	3	8,126	0,000
	Based on trimmed mean	48,184	3	12	0,000

Tabel 14. Anova

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2991,332	3	997,111	2,688	0,093
Within Groups	4450,748	12	370,896		
Total	7442,079	15			

Lampiran 4.1.3 Post hoc test

Tabel 15. Hasil uji LSD dan Games-Howell

(I) kelompok		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol normal + NaCMC	negatif	-18,225	13,61792	0,206	-47,896	11,446
	ekstrak 250	-4,275	13,61792	0,759	-33,946	25,396
Kontrol negatif	esktrak 500	-34,97500*	13,61792	0,025	-64,646	-5,304
	normal	18,225	13,61792	0,206	-11,446	47,896
	ekstrak 250	13,950	13,61792	0,326	-15,721	43,621



	(Triton X)	ekstrak 500	-16,750	13,61792	0,242	-46,421	12,921
	Ekstrak 250	normal	4,275	13,61792	0,759	-25,396	33,946
	(Triton X + Paliasa 250 mg/kg)	negatif	-13,950	13,61792	0,326	-43,621	15,721
	Ekstrak 500	ekstrak 500	-30.70000*	13,61792	0,044	-60,371	-1,029
	(Triton X + Paliasa 500 mg/Kg)	normal	34.97500*	13,61792	0,025	5,304	64,646
	Ekstrak 250	negatif	16,750	13,61792	0,242	-12,921	46,421
	(Triton X + Paliasa 500 mg/Kg)	ekstrak 250	30.70000*	13,61792	0,044	1,029	60,371
	Kontrol normal + NaCMC	negatif	-18,225	6,13655	0,090	-39,513	3,063
	Kontrol negatif (Triton X)	ekstrak 250	-4,275	5,04544	0,831	-22,468	13,918
	Ekstrak 250	ekstrak 500	-34,975	18,50279	0,376	-118,548	48,598
	(Triton X + Paliasa 250 mg/kg)	normal	18,225	6,13655	0,090	-3,063	39,513
	Ekstrak 500	ekstrak 250	13,950	5,34252	0,153	-5,654	33,554
	(Triton X + Paliasa 500 mg/Kg)	ekstrak 500	-16,750	18,58599	0,807	-99,837	66,337
	Ekstrak 250	normal	4,275	5,04544	0,831	-13,918	22,468
	(Triton X + Paliasa 250 mg/kg)	negatif	-13,950	5,34252	0,153	-33,554	5,654
Games-Howell	Ekstrak 500	ekstrak 500	-30,700	18,25482	0,455	-115,920	54,520
	(Triton X + Paliasa 500 mg/Kg)	normal	34,975	18,50279	0,376	-48,598	118,548
	Ekstrak 250	negatif	16,750	18,58599	0,807	-66,337	99,837
	(Triton X + Paliasa 250 mg/kg)	ekstrak 250	30,700	18,25482	0,455	-54,520	115,920
	(Triton X + Paliasa 500 mg/Kg)						



Lampiran 5. Dokumentasi Penelitian



Gambar 9. Simplisia daun paliasa (*Kleinhovia hospita* Linn)



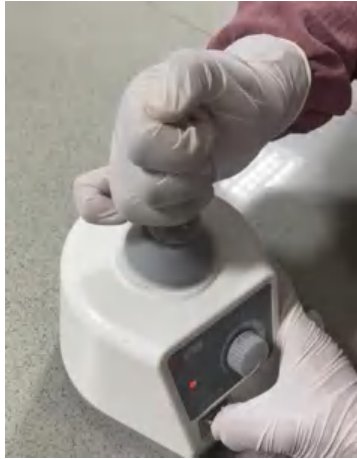
Gambar 10. Penguapan ekstrak



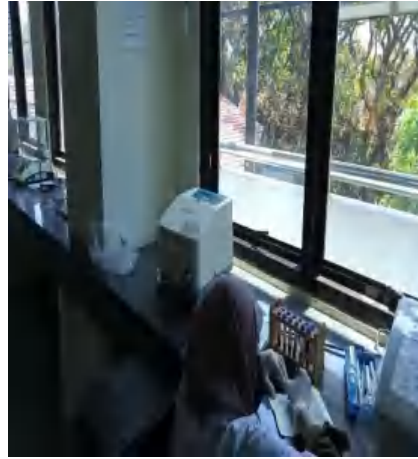
Gambar 11. Pembuatan larutan Na-CMC



Gambar 12. Pembuatan larutan stok ekstrak



Gambar 13.
Homogenisasi larutan
Triton X-100




Gambar 14. Pemisahan
serum dan plasma



Gambar 15. Pemeliharaan
hewan coba



Lampiran 6. Surat Izin Etik


KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
KOMITE ETIK PENELITIAN FARMASI DAN KESEHATAN
FAKULTAS FARMASI
UNIVERSITAS HASANUDDIN
 Sekretariat : Lantai 3 Fakultas Farmasi
 JL. PERINTIS KEMERDEKAAN KAMPUS UNHAS TAMALANREA KM.10 MAKASSAR 90245.
 CP: Nurhasni Hasan, Ph.D., Apt; No. Hp Sekretariat: 085179788835; email: kep.fakfarmasi@unhas.ac.id

LEMBAR KEPUTUSAN ETIK

Nomor : 019/UN4.17.8/KP.06.07/2024
 Judul Penelitian : Efek Pemberian Ekstrak Etanol Daun Paliasa
 (*Kleinhovia Hospita* Linn) terhadap Fungsi Hati Tikus
 Hiperkolesterolemia yang Diinduksi Triton X-100
 Nama Peneliti : Tiara Minarfa S
 Nomor Registrasi :


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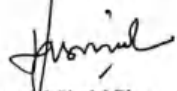
A	Rangkuman penilaian oleh <i>reviewers</i>	
B	Perlu <i>full board</i> :	<input type="checkbox"/> Ya <input checked="" type="checkbox"/> Tidak
	a. Ya (terus ke C)	
	b. Tidak (terus ke D)	
C	Catatan Rapat Etik (<i>Full Board</i>) —	
	Tgl/bulan/tahun	
	Tindak lanjut/catatan rapat etik	
	Dikirimkan kembali ke yang bersangkutan dengan tembusan kepimpinan instansi	
D	Hasil Penilaian	
	<input type="checkbox"/>	a. Disetujui
	<input checked="" type="checkbox"/>	b. Disetujui dengan revisi minor (lihat lembaran pertimbangan/saran /petunjuk)
	<input type="checkbox"/>	c. Disetujui dengan revisi mayor (lihat lembaran pertimbangan/saran/petunjuk)
	<input type="checkbox"/>	d. Ditunda untuk beberapa alasan (lihat lembaran pertimbangan/saran/petunjuk)
	<input type="checkbox"/>	e. Ditolak/tidak dapat disetujui (lihat lembaran pertimbangan/saran/petunjuk)
E	Penugasan pengawasan jalannya penelitian di lapangan untuk yang berisiko sedang – berat, mengobservasi apakah ada penyimpangan etik (tulis nama anggota komisi etik yang ditunjuk oleh rapat): —	

Makassar, 5 Januari 2024

Ketua

Sekretaris


 Prof. Dr. Elly Wahyudin, DEA., Apt
 NIP. 19560114 198601 2 001


 Nurhasni Hasan M.Si., M.Pharm.Sc., Ph.D.Apt
 NIP. 19860116 201012 2 009





KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
KOMITE ETIK PENELITIAN FARMASI DAN KESEHATAN
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UNIVERSITAS HASANUDDIN

Sekretariat : Lantai 3 Fakultas Farmasi
JL. PERINTIS KEMERDEKAAN KAMPUS UNHAS TAMALANREA KSL10 MAKASSAR 90245.
CP: Nurhasni Hasan, PhD., Apt; No. Hp Sekretariat: 085179788815; email: kep.fakfarmasi@unhas.ac.id

REKOMENDASI PERSETUJUAN ETIK

Nomor : 019/UN4.17.8/KP.06.07/2024

Tanggal : 5 Januari 2024

Dengan ini menyatakan bahwa protokol dan dokumen yang berhubungan dengan protokol berikut ini telah mendapatkan persetujuan etik:

No Protokol	UH012312016	No Sponsor	-
Peneliti Utama	Tiara Minarfa S	Sponsor	-
Judul Peneliti	Efek Pemberian Ekstrak Etanol Daun Paliasa (<i>Kleinhovia Hospita</i> Linn) terhadap Fungsi Hati Tikus Hiperkolesterolemia yang Diinduksi Triton X-100		
No Versi Protokol	UH012312016	Tanggal Versi	-
No Versi PSP	-	Tanggal Versi	-
Tempat Penelitian	Laboratorium Farmakologi-Toksikologi, Laboratorium Farmakognosi-Fitokimia dan Laboratorium Farmasi Klinik Fakultas Farmasi Universitas Hasanuddin		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Full Board	Masa Berlaku Sampai	Frekuensi review lanjutan
Ketua Komite Etik Penelitian	Nama Prof. Dr. Elly Wahyudin, DEA., Apt	Tanda tangan	Tanggal 8 Januari 2024
Sekretaris Komite Etik Penelitian	Nama Nurhasni Hasan, M.Si., M.Pharm.Sc., Ph.D., Apt	Tanda tangan	Tanggal 8 Januari 2024

Kewajiban peneliti utama:

- Menyerahkan amandemen protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan laporan SAE ke komite etik dalam 24 jam dan dilengkapi dalam 7 hari dan lapor SUSAR dalam 72 jam setelah peneliti utama menerima laporan
- Menyerahkan laporan kemajuan (*progress report*) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (*protocol deviation/violation*)
- Mematuhi semua peraturan yang ditentukan.

