

LAMPIRAN 1

Persetujuan kode etik



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS PADJADJARAN
KOMISI ETIK PENELITIAN
RESEARCH ETHICS COMMITTEE
Jl. Prof. Eyckman No. 38 Bandung 40161
Telp. & Fax. 022-2038697 email: etik.unpad@gmail.com, website: kep.unpad.ac.id

PERSETUJUAN ETIK
ETHICAL APPROVAL

Nomor: 474 /UN6.KEP/EC/2020

Komisi Etik Penelitian Universitas Padjadjaran Bandung, telah mengkaji dengan teliti proposal penelitian yang menggunakan subjek Hewan Coba dalam penelitian yang berjudul:

The Research Ethics Committee Universitas Padjadjaran Bandung, has been throughly reviewed proposal for reaserch with animal subjects in reaserach entitled:

"AKTIVITAS ANTIHIPERTENSI KOMBUCHA DAUN BELIMBING WULUH (*AVERRHOA BILIMBI L.*) TERHADAP TIKUS PUTIH JANTAN"

Nama Peneliti Utama <i>Principal Researcher</i>	:	Lira Salmi Oktafia
Pembimbing/Penditi Lain <i>Supervisor/Other Researcher</i>	:	Prof. I Ketut Adnyana, Ph.D., Apt. Dr. Patonah Hasinum., M.Si., Apt.
Nama Institusi <i>Institution</i>	:	Program Sarjana Program Studi Farmasi Fakultas Farmasi Universitas Bhakti Kencana

proposal tersebut dapat disetujui pelaksanaannya.
hereby declare that the proposal is approved.

No. Reg.: 0220020162



Ditetapkan di : Bandung
Issued in
Tanggal : 12-05-2020
Date

Ketua,
Chairman,



Dr. Meida Dhamayanti, dr., SpAK., M.Kes
NIP. 196305191987122001

Keterangan/notes:
 Persetujuan etik ini berlaku selama satu tahun sejak tanggal ditetapkan.
This ethical clearance is effective for one year from the due date.
 Pada akhir penelitian, laporan pelaksanaan penelitian harus diserahkan ke Komisi Etik Penelitian.
In the end of the research, progress and final summary report should be submitted to the Research Ethics Committee.
 Jika ada perubahan atau penyimpangan protokol dan/atau perpanjangan penelitian, harus mengajukan kembali permohonan kajian etik penelitian.
If there be any protocol modification or deviation and/or extension of the study, the Principal Investigator is required to resubmit the protocol for approval.
 Jika ada kejadian serius yang tidak diinginkan (KTD) harus segera dilaporkan ke Komisi Etik Penelitian.
If there are Serious Adverse Events (SAE) should be immediately reported to the Research Ethics Committee

LAMPIRAN 2

Dokumentasi Pengujian

Hasil	Dokumentasi
Hewan Uji	
Pemberian Na-cmc	

Cek tekanan darah	
Pakan tinggi lemak	

LAMPIRAN 3

Hasil Pengukuran Tekanan Darah Sitolik, Diastolik, dan MAP

T0

Normal			Induksi		
Sistol	Diastol	MAP	Sistol	Diastol	MAP
90	73	84,3	108	62	98,6
108	67	94,3	106	77	96,3
96	71	93,6	108	71	95,6

T7

Normal			Induksi		
Sistol	Diastol	MAP	Sistol	Diastol	MAP
110	76	98,6	119	96	98,6
112	73	98,9	129	74	96,3
117	73	102,3	123	66	95,6

T14

Normal			Induksi		
Sistol	Diastol	MAP	Sistol	Diastol	MAP
96	78	90	142	104	129,3
94	56	81,3	140	83	120,6
99	75	98,3	144	93	127

LAMPIRAN 4

Hasil bobot badan hewan uji

T0

Normal		Induksi	
Tikus	bobot	Tikus	Bobot
1	132	1	155
2	138	2	135
3	148	3	140

T7

Normal		Induksi	
Tikus	bobot	Tikus	Bobot
1	142	1	208
2	148	2	237
3	150	3	219

T14

Normal		Induksi	
Tikus	bobot	Tikus	Bobot
1	152	1	220
2	149	2	230
3	165	3	228

LAMPIRAN 5

Hasil Analisis SPSS

Descriptives

MAP

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
kelompok normal t0	3	90.7633	5.60743	3.23745	76.8337	104.6930	84.30	94.33
kelompok normal t7	3	99.9933	2.03033	1.17221	94.9497	105.0369	98.66	102.33
kelompok normal t14	3	89.8800	8.50064	4.90784	68.7633	110.9967	81.32	98.32
kelompok induksi t0	3	96.8800	1.57645	.91016	92.9639	100.7961	95.66	98.66
kelompok induksi t7	3	108.6533	4.04259	2.33399	98.6110	118.6957	104.00	111.30
kelompok induksi t14	3	125.6600	4.48281	2.58815	114.5241	136.7959	120.66	129.32
Total	18	101.9717	13.31931	3.13939	95.3481	108.5952	81.32	129.32

Test of Homogeneity of Variances

MAP

Levene Statistic	df1	df2	Sig.
1.550	5	12	.247

ANOVA

MAP

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2721.695	5	544.339	22.285	.000
Within Groups	293.112	12	24.426		
Total	3014.807	17			

Multiple Comparisons

Dependent Variable: MAP

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Bonferroni	kel normal t0	kel normal t7	-9.23000	4.03801	.619	-23.9642	5.5042
		kel normal t14	.88333	4.03801	1.000	-13.8509	15.6176
		kel induksi t0	-6.11667	4.03801	1.000	-20.8509	8.6176
		kel induksi t7	-17.89000*	4.03801	.012	-32.6242	-3.1558
		kel induksi t14	-34.89667*	4.03801	.000	-49.6309	-20.1624
	Kel normal t7	kel normal t14	10.11333	4.03801	.415	-4.6209	24.8476

	kel induksi t0	3.11333	4.03801	1.000	-11.6209	17.8476
	kel induksi t7	-8.66000	4.03801	.797	-23.3942	6.0742
	kel induksi t14	-25.66667*	4.03801	.001	-40.4009	-10.9324
	kel normal t0	-.88333	4.03801	1.000	-15.6176	13.8509
	kel normal t7	-10.11333	4.03801	.415	-24.8476	4.6209
kel normal t14	kel induksi t0	-7.00000	4.03801	1.000	-21.7342	7.7342
	kelo induksi t7	-18.77333*	4.03801	.008	-33.5076	-4.0391
	kel induksi t14	-35.78000*	4.03801	.000	-50.5142	-21.0458
	kel normal t0	6.11667	4.03801	1.000	-8.6176	20.8509
	kel normal t7	-3.11333	4.03801	1.000	-17.8476	11.6209
kelompo k induksi t0	kel induksi t14	7.00000	4.03801	1.000	-7.7342	21.7342
	kel induksi t7	-11.77333	4.03801	.194	-26.5076	2.9609
	kel induksi t14	-28.78000*	4.03801	.000	-43.5142	-14.0458

Games- Howell	kel normal t0	17.89000*	4.03801	.012	3.1558	32.6242
	kel normal t7	8.66000	4.03801	.797	-6.0742	23.3942
	kelompo k induksi t7	18.77333*	4.03801	.008	4.0391	33.5076
	kel induksi t0	11.77333	4.03801	.194	-2.9609	26.5076
	kel induksi t14	-17.00667*	4.03801	.018	-31.7409	-2.2724
	kel normal t0	34.89667*	4.03801	.000	20.1624	49.6309
	kel normal t7	25.66667*	4.03801	.001	10.9324	40.4009
	kelompo k induksi t14	35.78000*	4.03801	.000	21.0458	50.5142
	kel induksi t0	28.78000*	4.03801	.000	14.0458	43.5142
	kel induksi t7	17.00667*	4.03801	.018	2.2724	31.7409
	kel normal t7	-9.23000	3.44313	.325	-31.8116	13.3516
	kelompo k normal t0	.88333	5.87946	1.000	-29.4233	31.1900
	kel induksi t0	-6.11667	3.36296	.577	-29.9740	17.7407

	kel induksi t7	-17.89000	3.99106	.070	-37.8589	2.0789
	kel induksi t14	-34.89667*	4.14483	.008	-55.0692	-14.7241
	kel normal t0	9.23000	3.44313	.325	-13.3516	31.8116
	kel normal t14	10.11333	5.04589	.518	-27.0890	47.3157
kelompo k	kel normalinduksi t7 t0	3.11333	1.48407	.434	-4.1598	10.3865
	kel induksi t7	-8.66000	2.61182	.194	-23.6948	6.3748
	kel induksi t14	-25.66667*	2.84123	.017	-42.7496	-8.5837
	kel normal t0	-.88333	5.87946	1.000	-31.1900	29.4233
	kel normal t7	-10.11333	5.04589	.518	-47.3157	27.0890
kelompo normal t14	kel induksi t0	-7.00000	4.99153	.738	-45.4395	31.4395
	kel induksi t7	-18.77333	5.43456	.182	-50.7884	13.2417
	kel induksi t14	-35.78000*	5.54847	.035	-67.0647	-4.4953
kelompo k	kel induksinormal t0 t0	6.11667	3.36296	.577	-17.7407	29.9740

kel induksi t7	kel normal t7	-3.11333	1.48407	.434	-10.3865	4.1598
	kel normal t14	7.00000	4.99153	.738	-31.4395	45.4395
	kel induksi t7	-11.77333	2.50518	.102	-27.7616	4.2150
	kel induksi t14	-28.78000*	2.74353	.017	-46.9582	-10.6018
	kel normal t0	17.89000	3.99106	.070	-2.0789	37.8589
	kel normal t7	8.66000	2.61182	.194	-6.3748	23.6948
	kel normal t14	18.77333	5.43456	.182	-13.2417	50.7884
	kel induksi t0	11.77333	2.50518	.102	-4.2150	27.7616
	kel induksi t14	-17.00667*	3.48512	.046	-33.6277	-3.3856
	kel normal t0	34.89667*	4.14483	.008	14.7241	55.0692
	kel normal t7	25.66667*	2.84123	.017	8.5837	42.7496
	kel normal t14	35.78000*	5.54847	.035	4.4953	67.0647
	kel induksi t0	28.78000*	2.74353	.017	10.6018	46.9582

ke induksi t7	17.00667*	3.48512	.046	.3856	33.6277
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*. The mean difference is significant at the 0.05 level.

