

RESEARCH APPENDIX

Appendix 1 Approval of the Animals Ethics Committee



KOMISI ETIK HEWAN SEKOLAH KEDOKTERAN HEWAN DAN BIOMEDIS
(Animal Ethics Committee School of Veterinary Medicine and Biomedical Sciences)
INSTITUT PERTANIAN BOGOR
(IPB University)

PERSETUJUAN ETIK

(ETHICAL APPROVAL)

Nomor: 272/KEH/SKE/XIII/2024

Komisi Etik Hewan Sekolah Kedokteran Hewan dan Biomedis IPB University, telah mengkaji dengan teliti proposal penelitian yang menggunakan subjek Hewan Coba dalam penelitian yang berjudul:
(The Animal Ethics Committee School of Veterinary Medicine and Biomedical Sciences IPB University, has been thoroughly reviewed proposal for research with animal subjects in research entitled):

Efikasi Tanaman Berkhasiat yang ada di Indonesia sebagai Analgesik dan Antipiretik pada Tikus Putih
(*Rattus norvegicus*)

Efficacy of Herbal in Indonesia as Analgesic and Antipiretic in Rat (*Rattus norvegicus*)

Nama Peneliti Utama
(Principal Researcher)
Peneliti lain
(Other Researcher)

: Dr. drh. Aulia Andi Mustika, M.Si.

: 1. Prof. Dr. drh. Ekowati Handharyani, M.Si.
2. Dr. drh. Dedi Rahmat Setiadi, M.Si.
3. Dr. drh. Anisa Rahma, S.K.H, M.Si
4. Dr. Lina Novlyanti Sutardi, S.Si., Apt., M.Si.
5. Novita Nur Hidayah
6. Nayla Aura Alshafa
7. Aulia Devi Azizah
8. Muhammad Shafy Akbar
9. Nila Na I Putri
10. Fantasia Lim Ying Fei
11. Varshini Shavina Das M
12. Kelly Eng

Nama Institusi
(Institution)

: Sekolah Kedokteran Hewan dan Biomedis
IPB University

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

Ditetapkan di (Issued in) : Bogor
Tanggal (Date) : 04 Desember 2024

Ketua,
Chairman,



Prof Drh Arief Boediono, PhD, PAVet(K)
NIP 19640305 198803 1 002

Keterangan (Notes):

Persetujuan etik ini berlaku selama dua tahun sejak tanggal ditetapkan
(This ethical clearance is effective for two years from the due date).

Pada akhir penelitian, laporan pelaksanaan penelitian harus diserahkan ke komisi etik hewan.

(In the end of research, progress and final summary report should be submitted to the animal ethics committee).

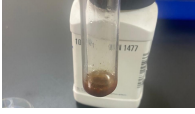
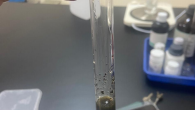
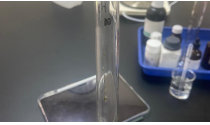
Jika ada perubahan atau penyimpangan protokol dari/atau perpanjangan penelitian, harus mengajukan kembali permohonan kajian etik hewan.

(If there be any protocol modification of deviation and/or extension of the study, the principal investigator is required to resubmit to protocol for approval).

Jika ada kejadian serius yang tidak diinginkan harus segera dilaporkan ke komisi etik hewan.

(If there serious adverse events should be immediately reported to the animal ethics committee).

Appendix 2 Documentation of phytochemical tests identifying active compounds in Bajakah Tampala (*Spatholobus littoralis Hassk.*)

Active Compound Explanation	Color		Figures
Flavonoid	Yellow precipitate	Positive flavonoid	
Alkanoid	Pale White precipitate	Low alkaloid content	
d. Mayer			
e. Wagner	Reddish brown precipitate	Positive alkaloid	
f. Dragendorff	Orange precipitate	Positive alkaloid	
Tannin and polyphenol	Dark green to brown	Positive tannin and polyphenol	
Steroid	Red precipitate	Positive steroid	
Triterpenoid	Orange precipitate	Positive triterpenoid	
Saponin	Stable foam	Positive saponin	

Appendix 3 Results of one-way analysis of variance (ANOVA) and Tukey test using Minitab22®

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Group	4	36.54	9.1361	42.57	0.000
Error	155	33.27	0.2146		
Total	159	69.81			

Grouping Information Using the Tukey Method and 95% Confidence

Group	N	Mean	Grouping
Negative Control	32	37.6281	A
High Dosage	32	37.2219	B
Positive Control	32	36.5813	C
Healthy Control	32	36.4891	C
Low Dosage	32	36.4063	C

Means that do not share a letter are significantly different.

BIOGRAPHY

The author, Varshini Shavina Das, was born on 13 July 2001. She completed her primary education at SK Permas 3 and continued her secondary education at Infant Jesus Convent. Subsequently, she pursued a Foundation in Science at Manipal International University. In 2022, the author was accepted as an undergraduate (S-1) student at the Faculty of Veterinary Medicine, IPB University.

Throughout her academic journey, the author has actively participated in various professional and extracurricular activities. She was involved in the ruminant division of internal programs and participated in numerous charity initiatives organized in collaboration with PKPMI Malaysia. In addition, she completed clinical internships in veterinary clinics in Malaysia as a veterinary intern student, gaining valuable practical exposure and hands-on clinical experience.

To further enhance her professional competencies, the author also obtained certification in Hazard Analysis Critical Control Point (HACCP), demonstrating her interest in food safety, quality assurance, and veterinary public health