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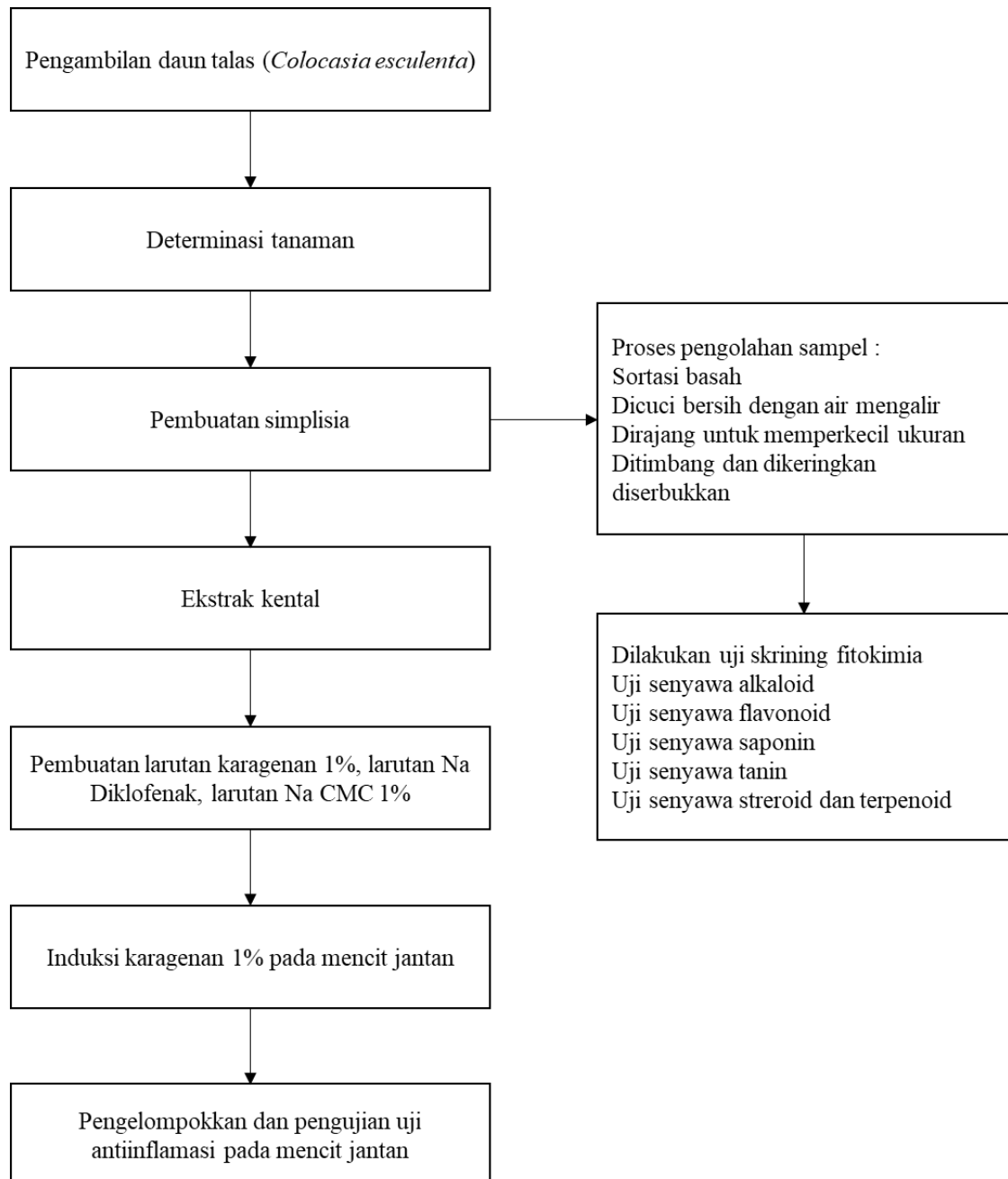
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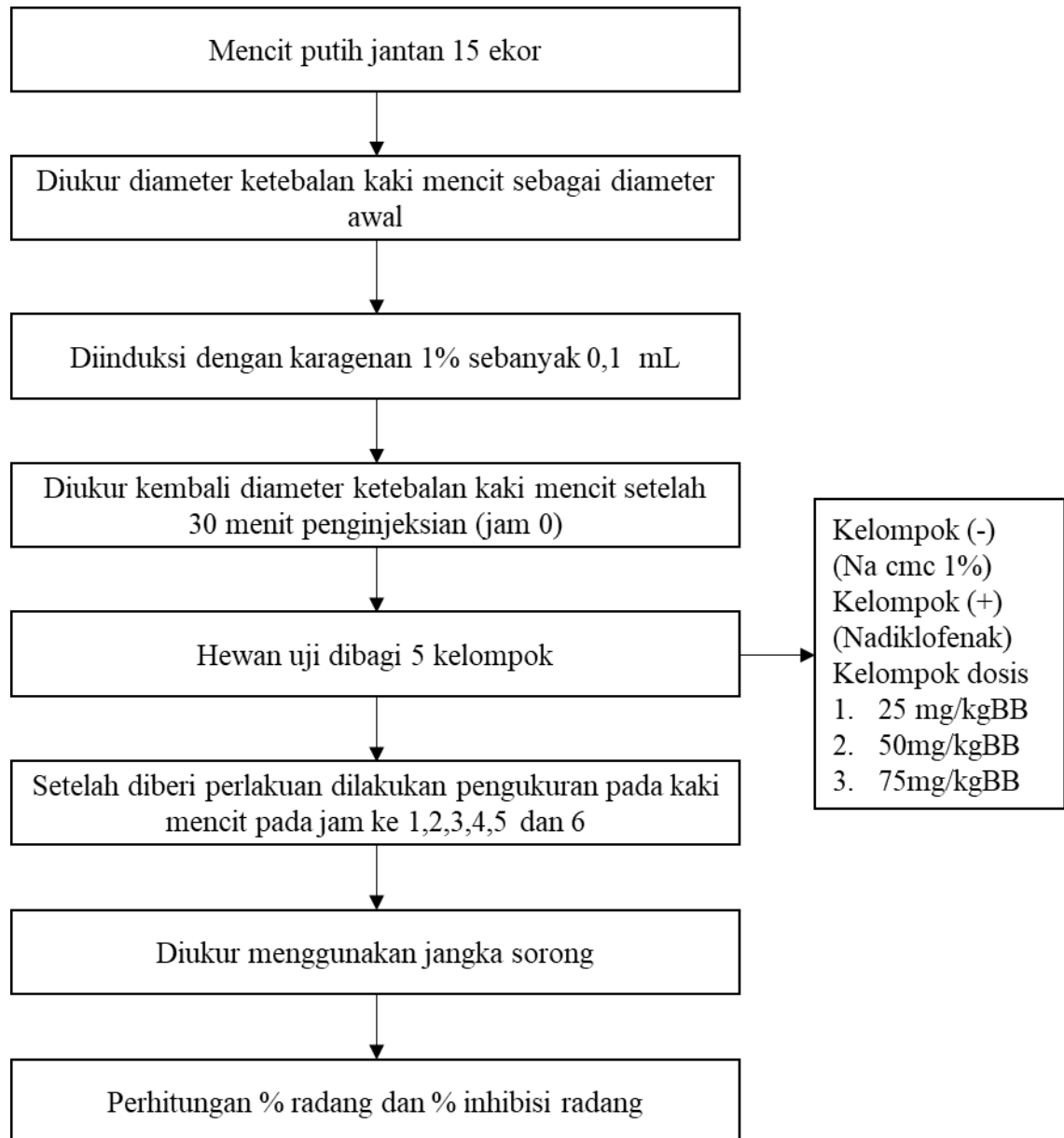
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LAMPIRAN

Lampiran 1. Skema Alur Penelitian



Lampiran 2. Skema Kerja Pengujian Antiinflamasi

Lampiran 3. Determinasi Tanaman Talas



HERBARIUM UNIVERSITAS ANDALAS (ANDA)
 Departemen Biologi FMIPA Universitas Andalas Kampus Limau Manih Padang
 Sumbar Indonesia 25163 Telp. +62-751-777427 e-mail: herbariumanda@yahoo.com

Nomor : 169/K-ID/ANDA/II/2025
 Lampiran : -
 Perihal : Hasil Identifikasi

Kepada yth,
 Suhaera, S.Farm., M.Pharm.Sci
 Di
 Tempat

Dengan hormat,
 Sehubungan dengan surat permohonan determinasi sampel dari Institut Kesehatan Mitra Bunda No. 038/K/S1-Farmasi/IKMB/II/2025 tanggal 18 Februari 2025 di Herbarium Universitas Andalas Departemen Biologi FMIPA Universitas Andalas, kami telah membantu mengidentifikasi tumbuhan yang dibawa, dari:

Nama : Suhaera, S.Farm., M.Pharm.Sci
 Instansi : Institut Kesehatan Mitra Bunda

Berikut ini diberikan hasil identifikasi yang dikeluarkan dari Herbarium Universitas Andalas.

No	Family	Spesies	Nama Lokal
1.	Araceae	<i>Colocasia esculenta</i> (L.) Schott.	Talas
2.	Pandanaceae	<i>Pandanus odorifer</i> (Forssk.) Kuntze	Pandan Laut
3.	Arecaceae	<i>Salacca zalacca</i> (Gaertn.) Voss	Salak

Demikian surat ini dibuat untuk dapat digunakan seperlunya.

Padang, 10 Maret 2025
 Kepala,

 Dr. Nurainas
 NIP. 196908141995122001



Lampiran 4. Surat Layak Etik



YAYASAN HARAPAN BUNDA BATAM INSTITUT KESEHATAN MITRA BUNDA KOMITE ETIK PENELITIAN

Jl. Seraya No 1 KOTA BATAM Telp/Fax (0778) 429431, website : <http://wikmb.ac.id>
SURAT KEPUTUSAN MENTERI PENDIDIKAN DAN KEBUDAYAAN REPUBLIK INDONESIA No. 284/M/2020

KOMITE ETIK PENELITIAN INSTITUT KESEHATAN MITRA BUNDA *THE RESEARCH ETHICAL COMMITTEE INSTITUT KESEHATAN MITRA BUNDA*

SURAT KETERANGAN
ETHICAL APPROVAL
No. 046/K/KEP/IKMB/VII/2025

Komite Etik Penelitian Institut Kesehatan Mitra Bunda, menyatakan dengan ini bahwa penelitian dengan judul :
The Research Ethical Committee of Institut Kesehatan Mitra Bunda states hereby that the following proposal :

"Uji Aktivitas Antiinflamasi Ekstrak Etanol Daun Talas (*Colocasia esculenta*) Terhadap Mencit Putih Jantan (*Mus musculus*)"
"Anti-Inflammatory Activity of Ethanol Extract of Taro (Colocasia esculenta) Leaves in Male White Mice (Mus musculus)"

Peneliti Utama : Sharifah Nur Dania
Principal Investigator

Lokasi Penelitian : Laboratorium Farmakologi Institut Kesehatan Mitra Bunda
Research Location

Waktu Penelitian : Juni – Juli 2025
Time Schedule

Responden/Subjek Penelitian : Hewan Percobaan (15 ekor mencit)
Respondent/Research Subject


Telah melalui prosedur kaji etik dan dinyatakan layak untuk dilaksanakan
Has proceeded the ethichal assessment procedure and been approved fot implementation

Batam, 18 Juli 2025
Ketua / Chairman,

dr. Ibnu Rushd, M.K.M

Lampiran 5. Certificate of Analysis (COA) Karagenan

CERTIFICATE OF ANALYSIS	
<u>Indogel SGP-168M</u>	
(Lot No. 831N-01)	
<u>General Parameters</u>	
Water Gel Strength	: 1299 g/cm ² at 20.6 mm using Texture Analyzer, Kobe Probe P/1 KSS 1 cm ² , 1.5% gel at 10°C
Particle Size	: 85.0 % pass through 60 mesh
Moisture Content	: 7.4 % using Sartorius MA – 30 at 105 °C
Color	: Light cream
pH	: 7.2, 1.5% solution at 60°C
Arsenic	: < 3 ppm
Lead	: < 5 ppm
Mercury	: < 1 ppm
Cadmium	: < 2 ppm
<u>Microbiological Parameters</u>	
Total Plate Count	: < 5,000 cfu / gram
Yeast and Mold	: < 250 cfu / gram
Salmonella	: negative
E. coli	: negative
Manufacturing Date	: 31-Aug-21
Expiry Date	: 30-Aug-23



Indo Food Chem

Lampiran 6. Certificate of Analysis (COA) Etanol 96%

CERTIFICATE OF ANALYSIS

Product Name	: Etanol 96%	Molecular Weight	: 46.07 g/mol
Catalog No.	: A-1042	Batch No.	: 08000188007
Grade	: Teknik Grade	Manufacturing Date	: November 08, 2018
Formula	: C ₂ H ₅ OH	Expire Date	: November 2025
Cas No	: 64-17-5	Recommended for a plastic container for 24 month from the date of pouring	

NO.	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	–	Clear colorless liquid	Clear colorless liquid
2.	Assay (GC)	wt %	min 96,0	96.081
3.	Wt. Per ml at 20 °C	g/cm ³	0.789 – 0.792	0.790
4.	Colour	Hazen	max 10	< 10
5.	Refractive Index	n ²⁰ _D	1.358 – 1.363	1.360
6.	Water (H ₂ O)	wt %	max 0.2	0.0741
7.	Non-volatile matter	wt %	max 0.001	0.00085
8.	Acidity (CH ₃ COOH)	wt %	max 0.0006	0.0003
9.	Alkalinity (NH ₃)	wt %	max 0.0002	0.00016
10.	Acetone, isopropyl alcohol	–	passes test	Passes test
11.	Methanol (CH ₃ OH)	wt %	max 0.1	0.01669
12.	Iron (Fe)	wt %	max 0.00002	< 0.00002
13.	Lead (Pb)	wt %	max 0.00005	< 0.00005
14.	Solubility in water	–	passes test	passes test
15.	Substances darkened (by H ₂ SO ₄)	–	passes test	passes test
16.	Substances Reducing KMnO ₄	–	passes test	passes test

Result : The above product corresponds to Teknik Grade

Reference or standard of product specification to Analar standard and ACS specification

Lampiran 7. Certificate of Analysis (COA) Na-CMC

HEAD OFFICE :

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 INDONESIA
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 www.arbecem.com

PLANT SITE :

KROKILAH INDUSTRI JABAR
 A. JABARBEKA V Blok H2
 CIBUNAWA BOJABAR 17530
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 TEL : +62(21) 8934311 - 12
 FAX : +62(21) 89620758, 8934364
 www.arbecem.com

PT. ARBE CHEMINDO
CERTIFICATE OF ANALYSIS


ARBECEL F - 400 P

LOT NO. : 1217F147A
 PRODUCTION DATE : februari 2025
 EXPIRY DATE : april 2027
 SHELF LIFE : If stored under dry and clean conditions in its original packaging, the product has along shelf time.

On the, which the consignment is a part, the following value were determined . They conform to the agreed product specification.

Item Of Analysis	Method	Result	Spec
1. Viscosity, 1% solution, 25 °C, Aquadest, 30 rpm, dry basis, spdl 2.	ASTM D 1439 - 15	440	200 - 600 cps
2. Moisture (as packed)	ASTM D 1439 - 15	7,0%	10% max.
3. Purity (dry basis)	-	99,60%	99.5% min.
4. DS	ASTM D 1439 - 15	0,82	0.65 - 0.85
5. pH- Value	HOECHST 9010	7,45	6.5 - 7.5
6. Bulk Density (BD)	-	610 Kg/M3	400 min.

The above particulars do not release the customer from the obligation to carry out an inspection of good received.


 PT. ARBE CHEMINDO
 Yon Naryus -
 QC. Head Of Dept.

Lampiran 8. Hasil Perhitungan Rendemen Ekstrak

Sampel	Bobot Awal	Bobot Akhir	Rendemen
Daun Talas	659 g	81 g	12,2%

Perhitungan Rendemen yaitu:

Berat sampel :

- Berat sampel awal Daun talas yang diperoleh : 695g
- Berat Ekstrak Kental Etanol : 81

$$\begin{aligned}\% \text{ Rendemen} &= \frac{\text{Berat ekstrak kental yang di dapat}}{\text{Berat sampel yang digunakan}} \times 100\% \\ &= \frac{81 \text{ g}}{659 \text{ g}} \times 100\% \\ &= 12,2\%\end{aligned}$$

Lampiran 9. Hasil Perhitungan Uji Kadar Air Simplisia

No.	Berat Cawan kosong (g)	Berat Cawan dan Sampel Sebelum dipanaskan	Berat Cawan dan Sampel setelah dipanaskan	Kadar Air (%)
1.	29,270	31,270	31,123	7,4%
2.	28,970	30,970	30,815	7,8%
3.	28,805	30,805	30,660	7,3%
Rata-rata				7,5%

$$\% \text{ Kadar Air} = \frac{B-C}{B-A} \times 100\%$$

Keterangan :

A = Berat cawan kosong

B = Berat cawan + sampel sebelum dipanaskan

C = Berat cawan + sampel setelah dikeringkan

Perhitungan kadar air sampel :

$$\% \text{ Kadar Air 1} = \frac{31,270 - 31,123}{31,270 - 29,270} \times 100\% = 7,4 \%$$

$$\% \text{ Kadar Air 2} = \frac{30,970 - 30,815}{30,970 - 28,270} \times 100\% = 7,8 \%$$

$$\% \text{ Kadar Air 3} = \frac{30,805 - 30,660}{30,805 - 28,805} \times 100\% = 7,3\%$$

Lampiran 10. Hasil Perhitungan Uji Susut Pengeringan Simplisia

No.	Berat Cawan kosong (g)	Berat Cawan dan Sampel Sebelum dipanaskan	Berat Cawan dan Sampel setelah dipanaskan	Susut Pengeringan (%)
1.	45,860	47,860	47,690	8,5%
2.	42,780	44,780	44,600	9%
3.	29,285	31,285	31,110	8,75%
Rata-rata				8,75%

$$\% \text{ Susut Pengeringan} = \frac{B-A-C-A}{B-A} \times 100\%$$

Keterangan :

A = Berat cawan kosong

B = Berat cawan + sampel sebelum pemanasan

C = Berat cawan + sampel sebelum pemanasan

Perhitungan susut pengeringan sampel dari uji standardisasi simplisia :

$$\% \text{ Susut Pengeringan } 1 = \frac{(47,860 - 45,860) - (47,690 - 45,860)}{(47,860 - 45,860)} \times 100\% = 8,5 \%$$

$$\% \text{ Susut Pengeringan } 2 = \frac{(44,780 - 42,780) - (44,600 - 42,780)}{(44,780 - 42,780)} \times 100\% = 9 \%$$

$$\% \text{ Susut Pengeringan } 3 = \frac{(31,285 - 29,285) - (31,110 - 29,285)}{(31,285 - 29,285)} \times 100\% = 8,75\%$$

Lampiran 11. Hasil Perhitungan Uji Kadar Abu Simplisia

No.	Berat Cawan kosong (g)	Berat Cawan dan Sampel Sebelum dipanaskan	Berat Cawan dan Sampel setelah dipanaskan	Kadar Abu (%)
1.	46,590	48,590	46,775	8,25%
2.	44,985	46,985	45,150	8,25%
3.	46,180	48,180	46,350	8,5%
Rata-rata				8,3%

$$\% \text{ Kadar Abu} = \frac{C-A}{B-A} \times 100\%$$

Keterangan :

A = Berat krus kosong setelah pemijaran

B = Berat krus + sampel sebelum pemijaran

C = Berat krus + sampel setelah pemijaran






Perhitungan kadar abu sampel :

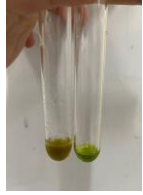
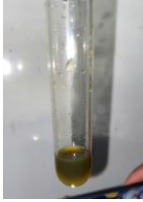
$$\% \text{ Kadar Abu 1} = \frac{46,755 - 46,590}{48,590 - 46,590} \times 100\% = 8,25 \%$$

$$\% \text{ Kadar Abu 2} = \frac{45,150 - 44,985}{46,985 - 44,985} \times 100\% = 8,25 \%$$

$$\% \text{ Kadar Abu 3} = \frac{46,350 - 46,180}{48,180 - 46,180} \times 100\% = 8,5\%$$

Lampiran 12. Skrining Fitokimia Ekstrak Daun Talas

Pemeriksaan	Reagen	Hasil Uji	Gambar
Alkaloid	Pereaksi Dragendorff	+	
Alkaloid	Pereaksi Mayer	-	
Flavonoid	Mg dan HCl pekat	+	
Tanin	FeCl ₃ 1%	+	
Saponin	Aquadest panas	+	

Pemeriksaan	Reagen	Hasil Uji	Gambar
Steroid/Terpenoid	etanol 96%, reagen Liebermann Burchard	+	
Fenolik	FeCl ₃	+	

Lampiran 13. Perhitungan Dosis

1. Perhitungan Natrium Diklofenak

$$\text{HED (mg/kg)} = \text{Animal dose (mg/kg)} \times \frac{\text{animal KM}}{\text{human KM}}$$

Diketahui :

$$\text{KM mencit} = 3$$

$$\text{KM manusia} = 37$$

Ket :

HED = Human Equivalent Dose

KM = Kelvin Mass

Berat etiket = 50mg/tablet

Dosis lazim Natrium Diklofenak = 50 mg

$$\text{Dosis manusia} = \frac{50 \text{ mg}}{70 \text{ kgBB}}$$

$$= 0,714 \text{ mg/kgBB}$$

$$\text{Dosis untuk mencit} = \text{dosis manusia} \times \frac{\text{km manusia}}{\text{km mencit}}$$

$$= 0,714 \text{ mg/kgBB} \times \frac{37}{3}$$

$$= 8,806 \text{ mg/kgBB}$$

$$\text{Dosis mencit 35 gram} = \frac{8,806 \text{ mg}}{1000 \text{ gr}} \times 35 \text{ gram}$$

$$= 0,308 \text{ mg}$$

2. Larutan Stok

Ditimbang 20 tablet natrium diklofenak 50 mg, dihaluskan hitung bobot rata-rata 20 tablet.

$$\frac{0,229+0,227+0,230+0,226+0,225+0,225+0,223+0,221+0,224+0,230+0,232+0,234+0,224+0,221+0,221+0,226+0,228+0,228+0,224+0,230}{20} = 0,2264 \text{ g}$$

$$\text{Larutan stok} = \frac{\text{volume yang digunakan}}{\text{volume max mencit}} \times \text{dosis untuk berat max}$$

$$\frac{50 \text{ mL}}{1 \text{ mL}} \times 0,308 \text{ mg} = 15,4 \text{ mg}$$

Jadi dosis natrium diklofenak yang dibutuhkan untuk 50 mL larutan adalah 15,4 mg.

$$\text{Berat obat yang ditimbang} = \frac{15,4 \text{ mg}}{50 \text{ mg}} \times 226,4 \text{ mg} = 69,7 \text{ mg} \quad \text{dan}$$

disuspensikan dalam 50 mL suspensi Na-CMC 1%.

3. Perhitungan Volume Pemberian

Volume pemberian sediaan secara oral pada mencit adalah 1 mL

$$\text{Hewan uji berat badan tertinggi} = 35 \text{ g}$$

$$\text{Volume pemberian sediaan} = 1 \text{ mL}/35 \text{ g}$$

$$\text{Volume pemberian} = \frac{\text{berat badan mencit}}{\text{berat mencit maksimal}} \times \text{volume pemberian}$$

a. Na Diklofenak

$$V_p 1 = \frac{31 \text{ g}}{35 \text{ g}} \times 1 \text{ mL} = 0,88 \text{ mL}$$

$$V_p 2 = \frac{31 \text{ g}}{35 \text{ g}} \times 1 \text{ mL} = 0,88 \text{ mL}$$

$$V_p 3 = \frac{27 \text{ g}}{35 \text{ g}} \times 1 \text{ mL} = 0,77 \text{ mL}$$

b. Na-CMC

$$V_p 1 = \frac{30 \text{ g}}{35 \text{ g}} \times 1 \text{ mL} = 0,85 \text{ mL}$$

$$V_p 2 = \frac{26 \text{ g}}{35 \text{ g}} \times 1 \text{ mL} = 0,74 \text{ mL}$$

$$V_p 3 = \frac{26 \text{ g}}{35 \text{ g}} \times 1 \text{ mL} = 0,74 \text{ mL}$$

c. Ekstrak Etanol Daun Talas 25 mg/kgBB

$$V_p 1 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

$$V_p 2 = \frac{31 g}{35 g} \times 1 mL = 0,88 mL$$

$$V_p 3 = \frac{35 g}{35 g} \times 1 mL = 1 mL$$

d. Ekstrak Etanol Daun Talas 50 mg/kgBB

$$V_p 1 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

$$V_p 2 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

$$V_p 3 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

e. Ekstrak Etanol Daun Talas 75 mg/kgBB

$$V_p 1 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

$$V_p 2 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

$$V_p 3 = \frac{30 g}{35 g} \times 1 mL = 0,85 mL$$

4. Suspensi ekstrak etanol daun talas

$$a. \text{ Dosis } 25 \text{ mg/kgBB} = 25 \text{ mg} \times \frac{6}{3} = 50 \text{ mg}$$

$$= \frac{50 \text{ mg}}{100 \text{ g}} \times 35 \text{ g} = 17,5 \text{ mg}$$

$$\text{Larutan stok} = \frac{50 \text{ ml}}{1 \text{ ml}} \times 17,5 \text{ mg} = 875 \text{ mg}$$

$$b. \text{ Dosis } 50 \text{ mg/kgBB} = 50 \text{ mg} \times \frac{6}{3} = 100 \text{ mg}$$

$$= \frac{100 \text{ mg}}{100 \text{ g}} \times 35 \text{ g} = 35 \text{ mg}$$

$$\text{Larutan stok} = \frac{50 \text{ ml}}{1 \text{ ml}} \times 35 \text{ mg} = 1.750 \text{ mg}$$

$$\begin{aligned} \text{c. Dosis } 75 \text{ mg/kgBB} &= 75 \text{ mg} \times \frac{6}{3} = 150 \text{ mg} \\ &= \frac{150 \text{ mg}}{100 \text{ g}} \times 35 \text{ g} = 52,5 \text{ mg} \end{aligned}$$

$$\text{Larutan stok} = \frac{50 \text{ ml}}{1 \text{ ml}} \times 52,5 \text{ mg} = 2.625 \text{ mg}$$

5. Perhitungan Na-CMC 1%

$$\text{Na-CMC 1\%} = 1 \text{ gram Na-CMC} / 100 \text{ mL aquadest}$$

$$= 0,1 \text{ gram} / 10 \text{ mL}$$

$$= 100 \text{ mg} / 10 \text{ mL}$$

Lampiran 14. Hasil Pengukuran Diameter Radang Telapak Kaki Mencit

Kelompok Perlakuan	Hewan Uji	Pengukuran Diameter Edema (mm)						
		Jam ke 0	Jam ke 1	Jam ke 2	Jam ke 3	Jam ke 4	Jam ke 5	Jam ke 6
Natrium diklofenak	1.	3.8	3.1	2.8	2.7	2.6	2.5	2.3
	2.	4	2.9	2.7	2.6	2.5	2.3	2.2
	3.	3.9	3.4	3.2	3	2.8	2.5	2.3
Rata-rata		3.90	3.13	2.90	2.77	2.63	2.43	2.27
SD		0.10	0.25	0.26	0.21	0.15	0.12	0.06
Na-CMC	1.	3.8	4.1	4.2	3.8	3.4	3.3	3
	2.	4	4.3	4.4	4.5	4.7	3.6	3.4
	3.	3.9	3.2	3.3	3.4	3.3	3.2	3.2
Rata-rata		3.90	3.87	3.97	3.90	3.80	3.37	3.20
SD		0.10	0.59	0.56	0.78	0.21	0.21	0.20
Dosis 25 mg/kgBB	1.	3.6	3.2	2.9	2.8	2.6	2.4	2.4
	2.	3.3	2.9	3	2.8	2.8	2.5	2.3
	3.	3.6	3	3	2.8	2.6	2.6	2.5
Rata-rata		3.50	3.03	2.97	2.80	2.67	2.50	2.40
SD		0.17	0.15	0.06	0.00	0.12	0.10	0.10
Dosis 50 mg/kgBB	1.	3.5	2.9	2.8	2.7	2.6	2.5	2.3
	2.	4.2	3.8	3.7	3.4	3	2.9	2.7
	3.	3.7	3	2.9	2.7	2.5	2.4	2.4
Rata-rata		3.80	3.23	3.13	2.93	2.70	2.60	2.47
SD		0.36	0.49	0.49	0.40	0.26	0.26	0.21
Dosis 75 mg/kgBB	1.	3.7	3.1	3	3	2.8	2.5	2.3
	2.	3.9	3	2.8	2.6	2.4	2.3	2.2
	3.	3.6	3.1	3	2.9	2,6	2.5	2.2
Rata-rata		3.73	3.07	2.93	2.83	2.60	2.43	2.23
SD		0.15	0.06	0.12	0.21	0.20	0.12	0.06

Lampiran 15. Hasil Persentase Radang Telapak Kaki Mencit

Kelompok Perlakuan	Hewan Uji	Persen Radang (mm) selama 6 jam						
		Jam ke 0	Jam ke 1	Jam ke 2	Jam ke 3	Jam ke 4	Jam ke 5	Jam ke 6
Natrium Diklofenak	1.	72.73	40.91	27.27	22.73	18.18	13.64	4.55
	2.	90.48	38.10	28.57	23.81	19.05	9.52	4.76
	3.	77.27	54.55	45.45	36.36	27.27	13.64	4.55
Rata-rata		80.16	44.52	33.77	27.63	21.50	12.27	4.62
SD		9.22	8.80	10.14	7.58	5.02	2.37	0.12
Na-CMC	1.	52.00	64.00	68.00	52.00	36.00	32.00	20.00
	2.	81.82	95.45	100	104.5	113.6	63.64	54.55
	3.	85.71	52.38	27.14	61.90	57.14	52.38	52.38
Rata-rata		73.18	70.61	75.05	72.82	68.93	49.34	42.31
SD		18.44	22.28	22.28	27.92	40.14	16.04	19.35
EEDT 25 mg/kgBB	1.	71.43	52.38	38.10	33.33	23.81	14.29	14.29
	2.	57.14	38.10	42.86	33.33	33.33	19,05	9.52
	3.	71.43	42.86	42.86	33.33	23.81	23.81	19.05
Rata-rata		66.67	44.44	41.27	33.33	26.98	19.05	14.29
SD		8.25	7.27	2.75	0.00	5.50	4.76	4.76
EEDT 50 mg/kgBB	1.	59.09	31.82	27.27	22.73	18.18	13.64	4.55
	2.	75.00	58.33	54.17	41.67	25.00	20.83	12.50
	3.	60.87	30.43	26.09	17.39	8.70	4.35	4.35
Rata-rata		64.99	40.20	35.84	27.26	17.29	12.94	7.13
SD		8.72	15.72	15.88	12.76	8.19	8.26	4.65
EEDT 75 mg/kgBB	1.	76.19	47.62	42.86	42.86	33.33	19.05	9.52
	2.	77.27	36.36	27.27	18.18	9.09	4.55	0
	3.	63.64	40.91	36.36	31.82	18.18	13.64	0
Rata-rata		72.37	42.63	35.50	30.95	20.20	12.41	3.17
SD		7.58	5.66	7.83	12.36	12.25	7.33	5.50

Lampiran 16. Hasil Persentase Inhibisi Radang Telapak Kaki Mencit

Kelompok Perlakuan	Hewan Uji	Persen Inhibisi Radang (mm) selama 6 jam						
		Jam ke 0	Jam ke 1	Jam ke 2	Jam ke 3	Jam ke 4	Jam ke 5	Jam ke 6
Natrium diklofenak	1.	-39.86	36.08	59.89	56.29	49.49	57.39	77.27
	2.	-10.58	60.09	71.43	77.23	83.24	85.03	91.27
	3.	9.85	-4.13	20.45	41.26	52.27	73.97	91.32
Rata-rata		-13.53	30.68	50.59	58.26	61.67	72.13	86.62
SD		24.99	32.45	26.73	18.06	18.73	13.92	8.10
EEDT 25 mg/kgBB	1.	-37.36	18.15	38.10	35.90	33.86	55.36	28.57
	2.	30.16	60.09	42.86	68.12	70.67	70.07	82.54
	3.	16.67	18.18	42.86	46.15	58.33	54.55	63.64
Rata-rata		3.15	32.14	42.04	50.06	54.29	59.99	14.29
SD		35.73	24.20	16.16	16.46	18.73	8.74	58.25
EEDT 50 mg/kgBB	1.	-13.64	50.28	59.89	56.29	49.49	57.39	77.27
	2.	8.33	38.89	45.83	60.14	78.00	67.26	77.08
	3.	28.99	41.90	54.35	71.91	84.78	91.70	91.70
Rata-rata		7.89	43.69	53.36	62.78	70.76	72.12	82.02
SD		21.31	5.91	7.08	8.13	18.73	17.66	8.38
EEDT 75 mg/kgBB	1.	-46.52	25.60	36.97	17.58	7.41	40.48	52.38
	2.	5.56	61.90	72.73	82.61	92.00	92.86	100
	3.	25.76	21.90	36.36	48.60	68.18	73.97	100
Rata-rata		-5.07	36.47	48.69	49.60	55.86	69.10	84.13
SD		37.29	22.11	20.82	32.52	43.62	26.53	27.49

Lampiran 17. Perhitungan Persen Radang Ekstrak Etanol Daun Talas (*Colocasia esculenta*)

1. Persen Radang Kontrol Positif

Mencit pertama jam ke 6

$$\% \text{ Radang} = \frac{2,3-2,2}{2,2} \times 100 \% = 4,55\%$$

Mencit kedua jam ke 6

$$\% \text{ Radang} = \frac{2,2-2,1}{2,1} \times 100 \% = 4,76\%$$

Mencit ketiga jam ke 6

$$\% \text{ Radang} = \frac{2,3-2,2}{2,2} \times 100 \% = 4,55\%$$

2. Persen Radang Kontrol Negatif

Mencit pertama jam ke 6

$$\% \text{ Radang} = \frac{3-2,5}{2,5} \times 100 \% = 20\%$$

Mencit kedua jam ke 6

$$\% \text{ Radang} = \frac{3,4-2,2}{2,2} \times 100 \% = 54,55\%$$

Mencit ketiga jam ke 6

$$\% \text{ Radang} = \frac{3,2-2,1}{2,1} \times 100 \% = 52,38\%$$

3. Persen Radang Ekstrak Etanol Daun Talas Dosis 25 mg/kgBB

Mencit pertama jam ke 6

$$\% \text{ Radang} = \frac{2,4-2,1}{2,1} \times 100 \% = 14,29\%$$

Mencit kedua jam ke 6

$$\% \text{ Radang} = \frac{2,3-2,1}{2,1} \times 100 \% = 9,52\%$$

Mencit ketiga jam ke 6

$$\% \text{ Radang} = \frac{2.5-2.1}{2.1} \times 100 \% = 19,05\%$$

4. Persen Radang Ekstrak Etanol Daun Talas Dosis 50 mg/kgBB

Mencit pertama jam ke 6

$$\% \text{ Radang} = \frac{2.3-2.2}{2.2} \times 100 \% = 4,55\%$$

Mencit kedua jam ke 6

$$\% \text{ Radang} = \frac{2.7-2.4}{2.4} \times 100 \% = 12,50\%$$

Mencit ketiga jam ke 6

$$\% \text{ Radang} = \frac{2.4-2.3}{2.3} \times 100 \% = 4,35\%$$

5. Persen Radang Ekstrak Etanol Daun Talas Dosis 75 mg/kgBB

Mencit pertama jam ke 6

$$\% \text{ Radang} = \frac{2.3-2.1}{2.1} \times 100 \% = 9,52\%$$

Mencit kedua jam ke 6

$$\% \text{ Radang} = \frac{2.2-2.2}{2.2} \times 100 \% = 0\%$$

Mencit ketiga jam ke 6

$$\% \text{ Radang} = \frac{2.2-2.2}{2.2} \times 100 \% = 0\%$$

Lampiran 18. Perhitungan Persen Inhibisi Radang Ekstrak Etanol Daun Talas
(*Colocasia esculenta*)

1. Persen Inhibisi Radang Kontrol Positif

Mencit pertama jam ke 6

$$\% \text{ Inihisi Radang} = \frac{20\% - 4,55\%}{20\%} \times 100 \% = 77,27\%$$

Mencit kedua jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{54,55\% - 4,76\%}{54,55\%} \times 100 \% = 91,27\%$$

Mencit ketiga jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{52,38\% - 4,55\%}{52,38\%} \times 100 \% = 91,32\%$$

2. Persen Inhibisi Radang Ekstrak Etanol Daun Talas Dosis 25 mg/kgBB

Mencit pertama jam ke 6

$$\% \text{ Inihisi Radang} = \frac{20\% - 14,29\%}{20\%} \times 100 \% = 28,57\%$$

Mencit kedua jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{54,55\% - 9,52\%}{54,55\%} \times 100 \% = 82,54\%$$

Mencit ketiga jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{52,38\% - 19,05\%}{52,38\%} \times 100 \% = 63,64\%$$

3. Persen Inhibisi Radang Ekstrak Etanol Daun Talas Dosis 50 mg/kgBB

Mencit pertama jam ke 6

$$\% \text{ Inihisi Radang} = \frac{20\% - 4,55\%}{20\%} \times 100 \% = 77,27\%$$

Mencit kedua jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{54,55\% - 12,50\%}{54,55\%} \times 100 \% = 77,08\%$$

Mencit ketiga jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{52,38\% - 4,35\%}{52,38\%} \times 100 \% = 91,70\%$$

4. Persen Inhibisj Radang Ekstrak Etanol Daun Talas Dosis 75 mg/kgBB

Mencit pertama jam ke 6

$$\% \text{ Inihisi Radang} = \frac{20\% - 9,52\%}{20\%} \times 100 \% = 52,38\%$$







Mencit kedua jam ke 6







$$\% \text{ Inhibisi Radang} = \frac{54,55\% - 0\%}{54,55\%} \times 100 \% = 100\%$$


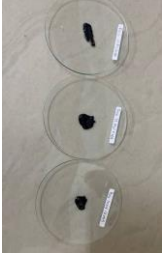



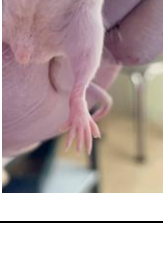
Mencit ketiga jam ke 6

$$\% \text{ Inhibisi Radang} = \frac{52,38\% - 40\%}{52,38\%} \times 100 \% = 100\%$$


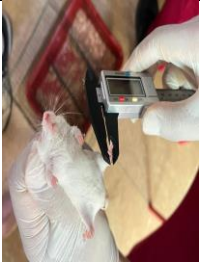
Lampiran 19. Gambar Pendukung

No.	Gambar	Keterangan
1.		Daun talas
		Pengeringan daun talas
2.		Blender
6.		Simplisia daun talas
7.		Simplisia daun talas yang sedang dimaserasi
8.		Proses pengentalan ekstrak menggunakan <i>rotary evaporator</i>

9.		Ekstrak etanol daun talas
10.		Penimbangan Na-CMC dan karagenan
11.		Penimbangan obat Natrium Diklofenak
12.		Pembuatan kontrol positif suspensi Natrium Diklofenak
13.		Pembuatan kontrol negatif Na-CMC 1%
14.		Jangka sorong untuk mengukur diameter radang pada kaki mencit

15.		Alat yang digunakan spuit 1cc, sonde
16.		Ekstrak kental 25,50,75
17.		Penimbangan mencit sebelum perlakuan
18.		Penyuntikan karagenan pada telapak kaki kiri mencit
19.		Pengukuran diameter radang setelah induksi karagenan
20.		Pembengkakan kaki mencit setelah induksi

21.		Pemberian ekstrak etanol daun talas pada hewan uji secara oral
22.		Pengukuran diameter radang telapak kaki mencit jam ke 1
23.		Pengukuran diameter radang telapak kaki mencit jam ke 2
24.		Pengukuran diameter radang telapak kaki mencit jam ke 3
25.		Pengukuran diameter radang telapak kaki mencit jam ke 4

26.		Pengukuran diameter radang telapak kaki mencit jam ke 5
27.		Pengukuran diameter radang telapak kaki mencit jam ke 6