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LAMPIRAN 1

Rekomendasi Persetujuan Etik




 KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
 UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
 KOMITE ETIK PENELITIAN KESEHATAN
 RSPTN UNIVERSITAS HASANUDDIN
 RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
 Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
 JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
 Contact Person: dr. Agusssalim Bukhari, M.Med,Ph.D., Sp.GK. YELP. 081241850858, 0411 5780103, Fax : 0411-581431



REKOMENDASI PERSETUJUAN ETIK
 Nomor : 70/UN4.6.4.5.31/PP36/2021

Tanggal: 11 Februari 2021

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :


No Protokol	UH21010022	No Sponsor Protokol	
Peneliti Utama	Nurfauziyah Bakhtiar	Sponsor	
Judul Peneliti	Uji Toksisitas Akut Minyak Cengkeh (<i>Oleum caryophylli</i>) terhadap Struktur Histopatologi Lambung Tikus (<i>Rattus novergicus</i>)		
No Versi Protokol	1	Tanggal Versi	13 Januari 2021
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Laboratorium Fakultas Farmasi Universitas Hasanuddin Makassar dan Balai Besar Veteriner Maros		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku 11 Februari 2021 sampai 11 Februari 2022	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FKUH	Nama Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)	Tanda tangan	
Sekretaris Komisi Etik Penelitian Kesehatan FKUH	Nama dr. Agusssalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 jam dan dilengkapi dalam 7 hari dan Laporan 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

LAMPIRAN 2

Sertifikat Analisis Minyak cengkeh



Importer of Essential Oils, Absolutes, and Carrier Oils
Jakarta, Indonesia Customessentialoil@gmail.com Phone 081295037988

Certificate of Analysis

Product Name : **CLOVE BUD OIL**
 Botanical Name : *Syzygium aromaticum*
 Product Code : 150026
 Batch Number : 200224/177110
 Appearance : Mobile Liquid
 Color : Yellow to light brown
 Odor : Sweet, spicy, eugenol, aromatic, clove, woody
 Production Date : February 24, 2020
 Shelf Life : 24 Months in fully sealed containers
 Quantity of Purchased : 1 Kg
 Packaging : 1 Bottle @1 Kg

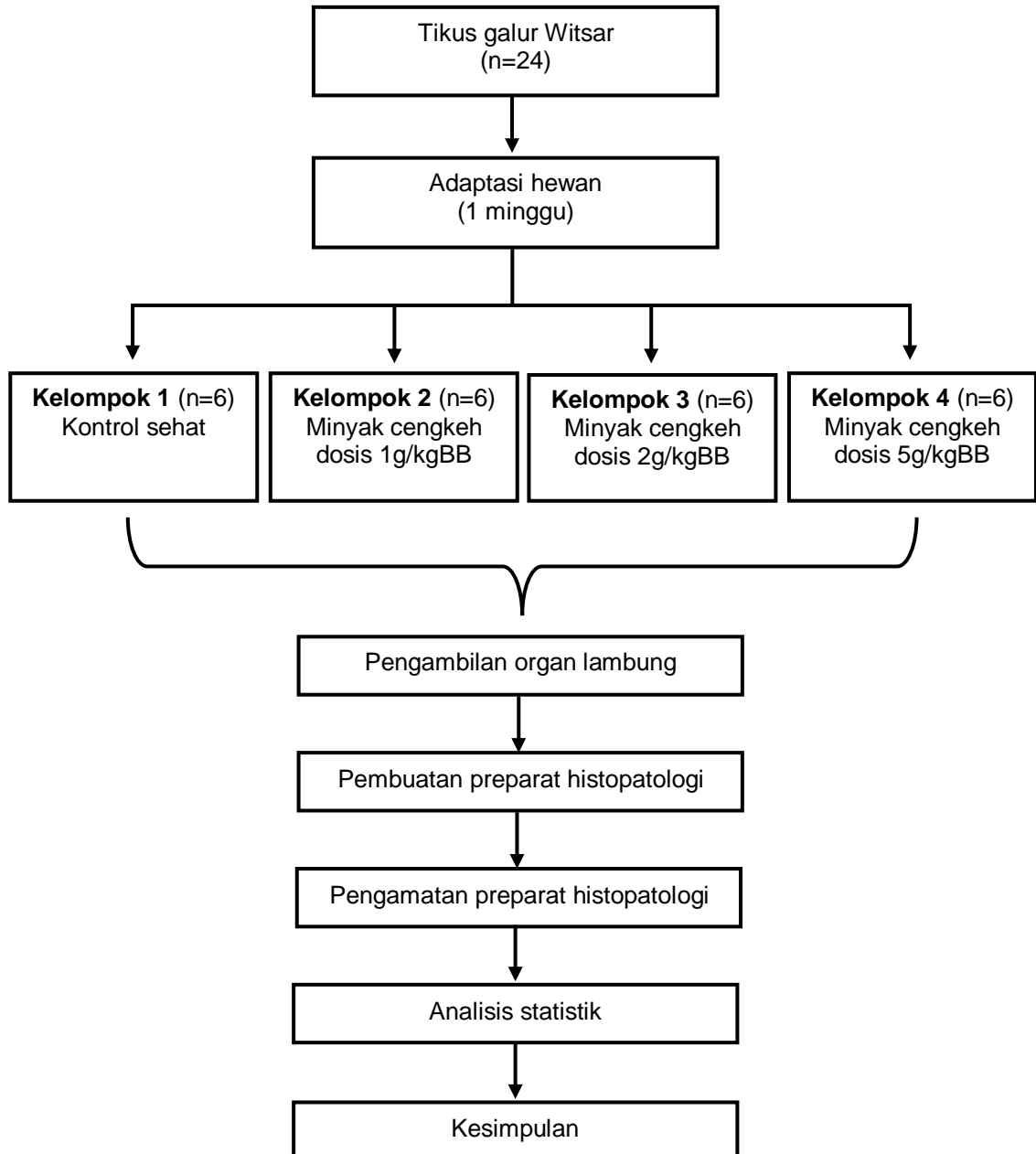
Technical Analysis:

Test Item	Specification	Result
Density (@20°C)	1.0588 – 1.0892	1.0740
Specific Gravity (@20°C)	1.0607 – 1.0911	1.0759
Refractive Index (@20°C)	1.5011 – 1.5315	1.5163
Optical Rotation (°)	(-1.5) – (0)	(-0.85)
Eugenol Content (GC)	Min 80%	82.54%
Eugenol Acetat Content (GC)	Min 7%	7.41%
Solubility	Soluble in alcohol and oils, Insoluble in Water	Conform to standard
Fatty Oil	Negative	Passed
Mineral Oil	Negative	Passed

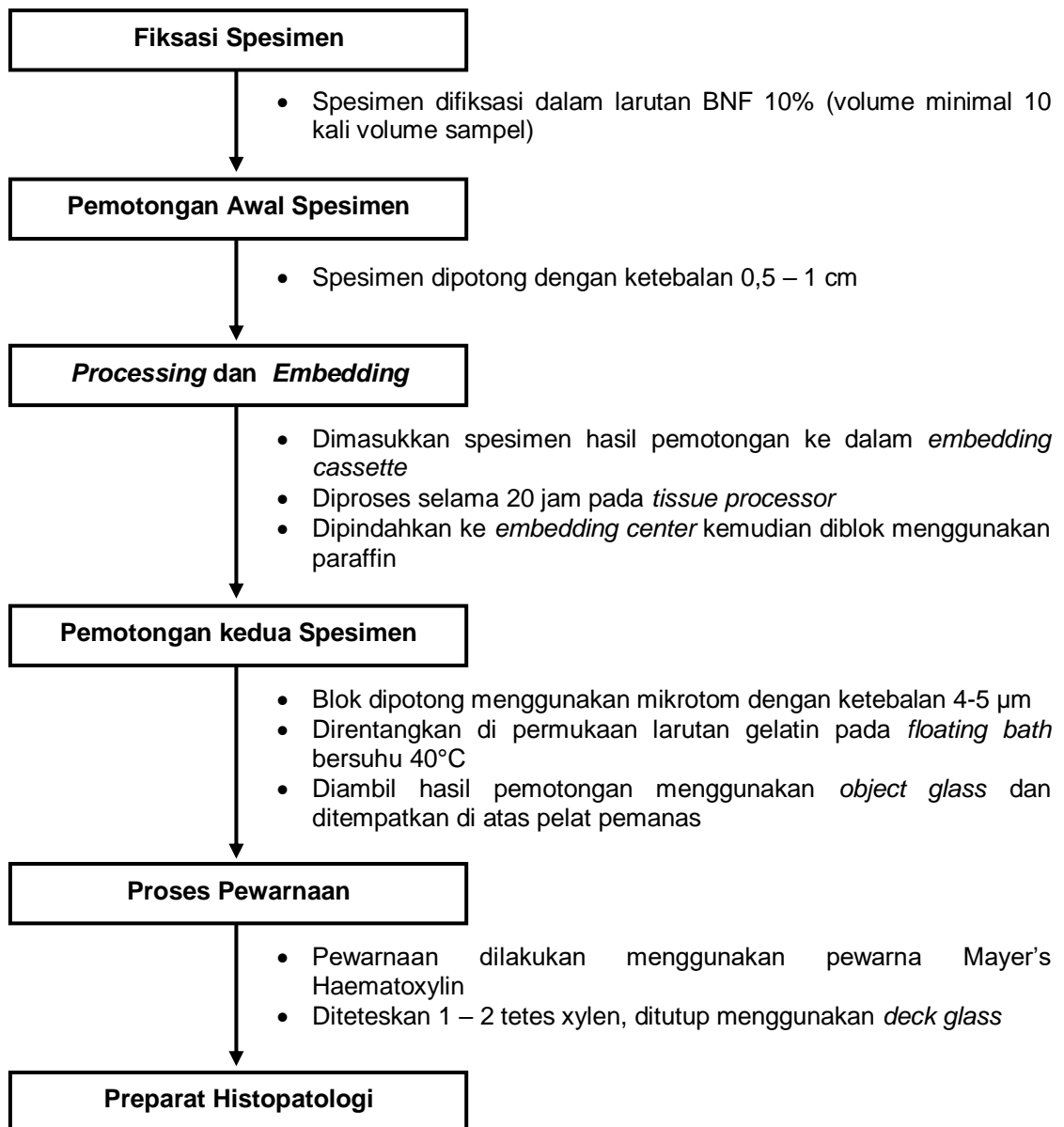
Storage Condition : Store unopened containers with temperature between 10°C to 25°C

This document has been electronically produced and does not require any signature

DISCLAIMER:
 The information contained in this Certificate of Analysis is obtained from current and reliable sources. The information is correct at the time of testing, and the results may vary depending on batch and time of testing. Happy Green shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. The information remains property of Happy Green and should not be propagate or used for any other purpose.

LAMPIRAN 3**Skema Kerja Penelitian****1. Skema Kerja Umum**

2. Skema Kerja Pembuatan Preparat Histopatologi



LAMPIRAN 4

Perhitungan Penyiapan Minyak Cengkeh

1. Perhitungan Minyak Cengkeh 1 g/kgBB

Dibuat larutan yang berisi 1 g/ml/kgBB atau sama dengan 10% v/v :

Untuk dosis 1g/kgBB = 0,2g/200gBB tikus

Dengan pemberian 10% v/v = 10mL/100mL = 0,2mL/2mL

Untuk larutan stok 10% v/v dibuat 30 ml untuk 6 tikus dengan perhitungan

$$= 3 \text{ ml} + 27 \text{ ml} = 30 \text{ ml}$$

Jadi untuk perlakuan dibuat dengan melarutkan minyak cengkeh sebanyak 3 ml dalam 27 ml minyak jagung hingga 30 ml.

2. Perhitungan Minyak Cengkeh 2 g/kgBB

Dibuat larutan yang berisi 2 g/ml/kgBB atau sama dengan 20% v/v :

Untuk dosis 2g/kgBB = 0,4g/200gBB tikus

Dengan pemberian 20% v/v = 20mL/100mL = 0,4mL/2mL

Untuk larutan stok 20% v/v dibuat 50 ml untuk 6 tikus dengan perhitungan

$$= 10 \text{ ml} + 40 \text{ ml} = 50 \text{ ml}$$

Jadi untuk perlakuan dibuat dengan melarutkan minyak cengkeh sebanyak 10 ml dalam 40 ml minyak jagung hingga 50 ml.

3. Perhitungan Minyak Cengkeh 5 g/kgBB

Dibuat larutan yang berisi 5 g/ml/kgBB atau sama dengan 50% v/v :

Untuk dosis $5\text{g/kgBB} = 1\text{g}/200\text{gBB}$ tikus

Dengan pemberian $50\% \text{ v/v} = 50\text{mL}/100\text{mL} = 1\text{mL}/2\text{mL}$

Untuk larutan stok 50% dibuat 40 ml untuk 6 tikus dengan perhitungan

$$= 20 \text{ ml} + 20 \text{ ml} = 40 \text{ ml}$$

Jadi untuk perlakuan dibuat dengan melarutkan minyak cengkeh sebanyak 20 ml dalam 20 ml minyak jagung hingga 40 ml .

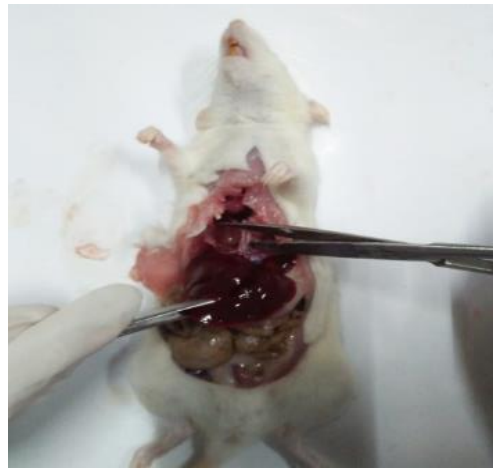
LAMPIRAN 5

Dokumentasi Penelitian

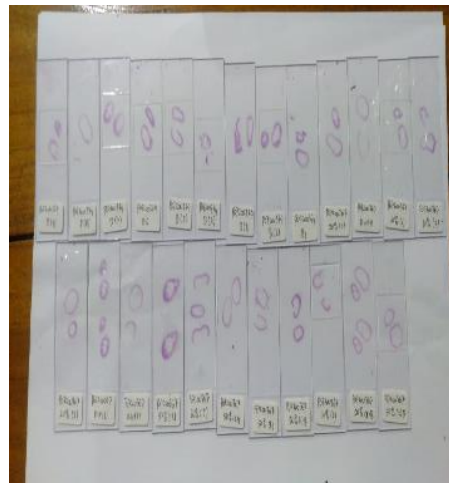
	
<p>Gambar 14. Proses pemberian pakan pada Tikus</p>	<p>Gambar 15. Minyak cengkeh (sampel)</p>
	
<p>Gambar 16. Minyak jagung (pembawa)</p>	<p>Gambar 17. Pemberian larutan stok minyak cengkeh</p>



Gambar 18. Pengukuran berat badan tikus



Gambar 19. Proses pembedahan tikus putih



Gambar 20. Preparat histopatologi lambung tikus



Gambar 21. Proses pengamatan preparat histopatologi