

## Sertifikat Uji Etik



### UNIVERSITAS AIRLANGGA FACULTY OF DENTAL MEDICINE HEALTH RESEARCH ETHICAL CLEARANCE COMMISSION

#### ETHICAL CLEARANCE CERTIFICATE

Number : 0873/HRECC.FODM/VIII/2024

Universitas Airlangga Faculty Of Dental Medicine Health Research Ethical Clearance Commission has studied the proposed research design carefully, Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011, and therefore, shall herewith certify that the research entitled :

**"Antioxidant Activity of Turi Bark Ekstract (*Sesbania grandiflora* (L.) Pers.) Against Kidney Organs BUN and Creatinine Parameters in Rats Induced by Toxic Doses of Paracetamol"**

Principal Researcher : **RAFAIZ FILAILI ALHAFIZ**

Unit/Institution/Place of Research : - Muhammadiyah University of  
Sidoarjo  
- Surabaya State University

#### CERTIFIED TO BE ETHICALLY CLEARED



Surabaya, August 7, 2024  
Chairman,

Prof. Dr. **TAMARA YUANITA**, drg., MS., Sp.KG(K)  
Official No. 196006251986012002

## Hasil Uji Fitokimia Kulit Batang Turi Putih



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET, DAN TEKNOLOGI  
UNIVERSITAS NEGERI SURABAYA  
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM  
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Kode : Rafaiz Filaili Alhafiz (Teknologi Laboratorium Medis Umsida)  
Analisis : Alkaloid, Flavonoid, Saponin, Steroid, Triterpenoid, Fenolik dan Tanin.  
Sampel : Ekstrak Etanol 70% Kulit batang Turi (*Sesbania grandiflora*)  
Metode : Fitokimia  
Tanggal : 27 Agustus 2024

Uji Fitokimia	Pereaksi	Hasil (Terbentuknya)	Kesimpulan (+) / (-)
	Mayer	Endapan putih	+
Alkaloid	Wagner	Endapan coklat	+
	Dragendorf	Endapan jingga	+
Flavonoid	Mg + HCl pekat + etanol	Warna merah	+
Saponin	-	Adanya busa stabil	+
Steroid	Libermann-Burchard	Ungu ke biru/hijau	+
Triterpenoid	Kloroform+H <sub>2</sub> SO <sub>4</sub> pekat	Merah kecoklatan	+
Fenolik	NaCl 10% + Gelatin 1%	Endapan Putih	+
Tanin	FeCl <sub>3</sub> 1%	Coklat kehijauan	+

Surabaya, 27 Agustus 2024

Laboran

Idah Dianah Wati, S.Pd