



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

ETHICAL CLEARANCE CERTIFICATE

Number : 0973/HRECC.FODM/IX/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.) on Liver Organs SGOT and SGPT Parameters in Rats Induced by Toxic Doses of Paracetamol”

Principal Researcher : ANDRIA FEBRIANTI

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

CERTIFIED TO BE ETHICALLY CLEARED



September 13, 2024
Chairman,

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

Lampiran Hasil Uji Fitokimia Kulit Batang Turi

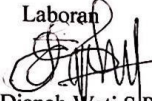


KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
UNIVERSITAS NEGERI SURABAYA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
JURUSAN KIMIA
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Telepon : +6231 - 8298761,
email : kimia@unesa.ac.id, Laman : <http://kimia.fmipa.unesa.ac.id>

Kode : Andria Febrianti (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 | Liebermann-Burchard | Ungu ke biru/hijau | + |
| Triterpenoid | Kloroform + H ₂ SO ₄ Pekat | Merah kecoklatan | + |
| Fenolik | NaCl 10% + Gelatin 1% | Endapan Putih | + |
| Tanin | FeCl ₃ 1% | Coklat kehijauan | + |

Surabaya, 27 Agustus 2024

Laboran

Idah Dianah Wati, S.Pd