

**Uji UJI AKTIVITAS ANTIINFLAMASI FRAKSI N-HEKSANA
DAN FRAKSI ETIL ASETAT DAUN KEMIRI (*Aleurites
moluccanus*) TERHADAP MENCIT JANTAN (*Mus musculus*)**

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ABSTRAK

Inflamasi atau disebut peradangan merupakan kejadian yang sering terjadi pada setiap orang. Daun kemiri (*Aleurites moluccanus*) diketahui mengandung senyawa flavonoid, seperti swertisin dan 2"-O-rhamnosylswertisin, yang diduga memiliki aktivitas antiinflamasi. Penelitian menggunakan 4 kelompok perlakuan, yaitu kontrol positif (natrium diklofenak), kontrol negatif (Na-CMC), fraksi n- heksana (200 mg/KgBB), dan fraksi etil asetat (200 mg/KgBB). Pengukuran volume edema kaki diukur secara berkala hingga 6 jam menggunakan jangka sorong digital. Hasil penelitian menunjukkan persentase inhibisi edema kontrol negatif 64,13%, kontrol positif 38,91%, fraksi n-heksana 39,99%, fraksi etil asetat 39,82%, Fraksi etil asetat menunjukkan aktivitas antiinflamasi yang lebih baik dibandingkan fraksi n-heksana, tetapi masih lebih tinggi persenan kontrol positif.

Kata kunci: *Aleurites moluccanus*, fraksi n-heksana, fraksi etil asetat, antiinflamasi, karagenan

**ANTI-INFLAMMATORY ACTIVITY TEST OF N-HEXANE
FRACTION AND ETHYL ACETATE FRACTION OF (*Aleurites
moluccanus*) LEAVES ON WHITE MICE (*Mus musculus*)**

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*Inflammation is a common occurrence in everyone. Candlenut leaves (*Aleurites moluccanus*) are known to contain flavonoid compounds, such as swertisin and 2'' O-rhamnosylswertisin, which are suspected to have anti-inflammatory activity. The study used four treatment groups: a positive control (sodium diclofenac), a negative control (Na-CMC), an n-hexane fraction (200 mg/kgBW), and an ethyl acetate fraction (200 mg/kgBW). Leg edema volume was measured periodically for up to 6 hours using a digital caliper. The results showed edema inhibition percentages of 64.13% for the negative control, 38.91% for the positive control, 39.99% for the n hexane fraction, and 39.82% for the ethyl acetate fraction. The ethyl acetate fraction showed better anti-inflammatory activity than the n-hexane fraction, but still higher than the positive control.*

Keywords: *Aleurites moluccanus*, n-hexane fraction, ethyl acetate fraction, anti inflammatory, carrageenan

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Submission date: 17-Dec-2025 09:23AM (UTC-0500)
Submission ID: 2831616259
File name: Nela_Yulia_Putri_TURNITIN.docx (1,014.49K)
Word count: 8759
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