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**BAIQ RETNANTI**

**PENGARUH PEMBERIAN PER ORAL FRAKSI  
n-HEKSANA, ETIL ASETAT DAN METANOL PSIDII  
FOLIA TERHADAP PENINGKATAN JUMLAH  
MEGAKARIOSIT MENCIT**



**FAKULTAS FARMASI UNIVERSITAS AIRLANGGA  
BAGIAN ILMU BAHAN ALAM  
SURABAYA**

**2004**

**MILIK  
PERPUSTAKAAN  
UNIVERSITAS AIRLANGGA  
SURABAYA**

**Lembar Pengesahan**

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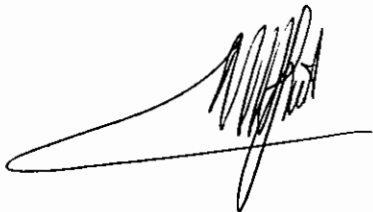
**Dibuat Untuk Memenuhi Syarat Mencapai Gelar Sarjana Farmasi Pada  
Fakultas Farmasi Universitas Airlangga  
2004**

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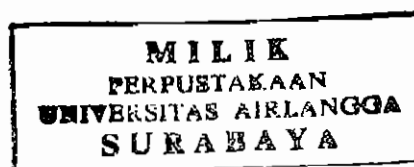


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## ABSTRACT

### THE INFLUENCE OF *n*-HEXANE, ETHYL ACETATE AND METHANOL OF PSIDII FOLIA EXTRACTS TO IMPROVE MICE'S MEGACARYOCYTE

Dengue Hemorrhagic Fever (DHF), an endemic disease in Indonesia, has a peak every 5-20 years. It's still a major health problem in our country. Laboratory test showed thrombocytopenia (amount of platelet <100.000 ul). Platelets comes from megacaryocyte. Study of antedence indicate that 70 % ethanolic extracts give improvement in amount of megacaryocyte, it means that Psidii Folia have compound which can improve megacaryocyte amount. To know which compound that have effect to improve the amount of megacaryocyte, we counted megacaryocyte amount from mice's bone marrow smear which had treatment of *n*-hexane, ethyl acetate or methanolic extracts.

The result of this research is the methanolic extracts of Psidii folia, at dosage 0.1954 mg / 20 g weight of mice each day, give 290 % megacaryocyte improvement compared to control, it's followed by ethyl acetate extracts, at dosage 0,3659 mg / 20 g weight of mice each day, equal to 100 %. And there is no different between *n*-hexane extracts, at dosage 0,0851 mg / every 20 g weight of mice each day, and control.

Keywords : DHF(Dengue Hemorrhagic Fever), megacaryocyte, Psidii folia