

- ANTIMALARIA
ADLN PERPUSTAKAAN UNIVERSITAS AIRLANGGA

- PLASMODIUM BERGHEI

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SKRIPSI

LENDY NUGROHO

**AKTIVITAS ANTIMALARIA EKSTRAK METANOL
BUAH PARE (*MOMORDICA CHARANTIA* LINN.) PADA
MENCIT TERINFEKSI *PLASMODIUM BERGHEI***



**MILIK
PERPUSTAKAAN
UNIVERSITAS AIRLANGGA
SURABAYA**

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

2003

Lembar Pengesahan

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Dibuat untuk memenuhi syarat
mencapai gelar Sarjana Farmasi
pada Fakultas Farmasi Universitas Airlangga

2003

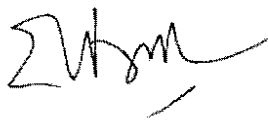
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ABSTRACT

The methanol extract of *Momordica charantia* Linn. Fruits was tested for its *in vivo* antimalarial activity using Peter's 4 day suppressive test. Female white mice (20-35g body weight) were infected with *Plasmodium berghei* intra peritoneally with suspension containing 10^5 - 10^8 infected red blood cells taken from a donor mice with parasitemia > 20%, when parasite concentration in erythrocyte reached > 1%, treatment with diluted extract was given for four consecutive days orally with doses 200, 100, 50, 25, 12.5 and 1 mg/kg Body Weight. Blood samples were taken to determine parasitemia level for five days and compared to non treated and chloroquine treated subjects and ED₅₀ was obtained by analysing inhibition level with probit analysis. The result showed that methanol extract of *Momordica charantia* Linn. has an ED₅₀ value of 5,26182 mg/kg Body Weight against *Plasmodium berghei*.

Key words : *Momordica charantia* Linn., Malaria, *Plasmodium berghei*, *in vivo*

