

- ACCORD
- ACCELERATED
- ACCELERATED LIFE TESTING

SKRIPSI

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PENGARUH SUHU TERHADAP STABILITAS GENDARUSIN A DALAM EKSTRAK ETANOL 60% DARI DAUN *Gendarussa vulgaris* Nees.

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Lembar Pengesahan

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GENDARUSIN A DALAM EKSTRAK ETANOL 60%
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SKRIPSI

**Dibuat untuk memenuhi syarat mencapai gelar Sarjana Farmasi pada
Fakultas Farmasi Universitas Airlangga
2005**

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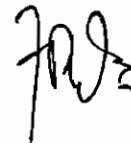
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Pembimbing Utama

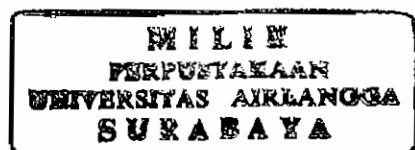


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ABSTRACT

The stability of gendarusin A in ethanol extract was investigated by accelerated stability testing. Sample was incubated at 40, 60 and $80 \pm 2^\circ\text{C}$ for twelve days with relative humidity $75 \pm 5\%$ in a climatic chamber, each samples were taken and assay by HPLC. The result show that degradation of gendarusin A followed first order reaction. The specific rate constant reaction (k_{25}) of gendarusin A were $1,03 \cdot 10^{-3}$ /days. The activation energy were 12,2 kcal/mol. The shelf life of gendarusin A in ethanol extract were 102 days. The best condition to store gendarusin A in ethanol extract was in a cold temperature.

Key word : gendarusin A, ethanol extract, stability, accelerated stability testing.