

- (AURACOLE)
- (LITSEA ODORIFERA VAL.)

SKRIPSI

RIZKY AMALIA

**DAYA ANTIMIKROBA MINYAK ATSIRI
DAUN TRAWAS (*LITSEA ODORIFERA VAL.*)
TERHADAP *STAPHYLOCOCCUS AUREUS*,
ESCHERICHIA COLI, *CANDIDA ALBICANS*,
DAN *TRICHOPHYTONAJELLOI***

FF 06/06

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

2005



Lembar Pengesahan

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

2005

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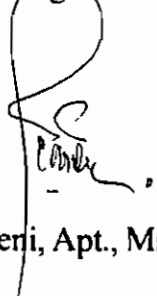
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ABSTRACT

Litsea odorifera Val. or known as Trawas, is one of Lauraceae family's plant that has been used empirically as an anti infection such as skin and mouth infection. The purpose of this research is to determine the antimicrobial activity of essential oil of *Litsea odorifera* Val. leaves using Agar Dillution Method at concentration 125-10000 µg/mL. The result showed that essential oil of *Litsea odorifera* Val. leaves inhibit the growth of *Trichophyton ajelloi* with Minimum Inhibitory Concentration (MIC) at ± 4000 µg/mL. On the other hand, the essential oil of *Litsea odorifera* Val. leaves with concentration up to ± 10000 µg/mL does not inhibit the growth of *Staphylococcus aureus* ATCC 25923, *Escherichia coli* ATCC 25922, and *Candida albicans* ATCC 66027.

Keywords : Antimicrobial activity; Essential oil; *Litsea odorifera* Val.; Trawas; MIC; *Staphylococcus aureus* ATCC 25923, *Escherichia coli* ATCC 25922, *Candida albicans* ATCC 66027, *Trichophyton ajelloi*