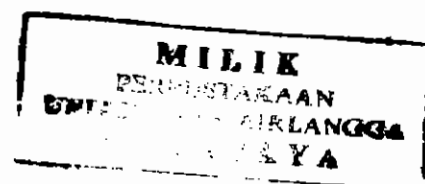


SKRIPSI

JUMAATIN

**PENGARUH PEMANASAN TERHADAP REAKSI
ASILASI ANTARA ASAM *o*-HIDROKSI SINAMAT
DENGAN BENZOIL KLORIDA**



**FAKULTAS FARMASI UNIVERSITAS AIRLANGGA
BAGIAN KIMIA FARMASI
SURABAYA**

2004

Lembar Pengesahan

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Dibuat untuk memenuhi syarat mencapai gelar Sarjana Farmasi pada
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ABSTRACT

The aim of this research was to compare the yield of reaction between *o*-hydroxycinnamic acid and benzoyl chloride via Schotten-Baumann reaction if it is done in two different condition that are room temperature and heat temperature (60-70°C).

The synthesis of *o*-benzoyloxycinnamic acid had been done by reacting *o*-hydroxycinnamic acid with benzoyl chloride in the presence of pyridine. The mixture was stirred at room temperature and at 80°C, 1 hour and monitored by TLC (hexane : ethyl acetate = 1 : 1) on silica gel 60 F₂₅₄. The result was yellow dark liquid, dissolve at methanol, ethanol, chloroform, and ether.

When the solvent of the compound was steamed the compound will be apart into *o*-hydroxycinnamic acid and benzoic acid.

The structure elucidation of the compound was based on the spectrometric data of ultraviolet, infra red and nuclear magnetic resonance (¹H-NMR).

Keyword : *o*-hydroxycinnamic acid, *o*-benzoyloxycinnamic acid, Schotten-Baumann reaction.