

SKRIPSI

SRI SUJINATUN

SINTESIS ASAM *p*-BENZOKSISINAMAT DARI BAHAN AWAL ASAM *p*-HIDROKSISINAMAT DAN BENZIL KLORIDA

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FAKULTAS FARMASI UNIVERSITAS AIRLANGGA
BAGIAN KIMIA FARMASI
SURABAYA
2005



Lembar Pengesahan

**SINTESIS ASAM *p*-BENZOKSISINAMAT
DARI BAHAN AWAL ASAM *p*-HIDROKSISINAMAT
DAN BENZIL KLORIDA**

SKRIPSI

**DIBUAT UNTUK MEMENUHI SYARAT MENCAPAI GELAR SARJANA
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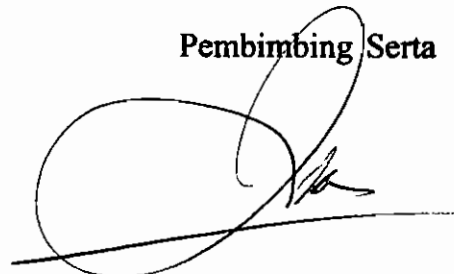
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ABSTRACT

The aim of this research is to synthesis *p*-benzoxy cinnamic acid by Williamson reaction. Experiments were carried out by refluxing mixtures of *p*-hydroxy cinnamic acid in NaOH solution and benzyl chloride in diklorometane solution with tetrabutylammoniumhydrogensulphate as phase transfer catalyst. Refluxing the reaction mixture for four hours gave 5-7% yield of benzyl *p*-benzoxy cinnamic not *p*-benzoxy cinnamic acid. IR, NMR and mass spectrocopies confirmed that structure of the product was benzyl *p*-benzoxy cinnamic.

As conclusion, *p*-benzoxy cinnamic acid cannot be synthesised by Williamson reaction directly.

Keywords : Williamson reaction, phase transfer catalyst, *p*-benzoxy cinnamic acid, benzyl *p*-benzoxy cinnamic