

- SALICYLIC ACID
- AROMATIC AMINO ACID DECARBOXYLASE

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FRANKY THOMAS

**PERBANDINGAN PERSENTASE HASIL SINTESIS (15:0)
ANAKARDANILIDA DARI ASAM (15:0) ANAKARDAT
DAN SALISILANILIDA DARI ASAM SALISILAT**

(Efek *Orto* Dalam Pembuatan Amida Dari Asam Karboksilat Aromatik)



**MILIK
PERPUSTAKAAN
UNIVERSITAS AIRLANGGA
SURABAYA**

**FAKULTAS FARMASI UNIVERSITAS AIRLANGGA
BAGIAN KIMIA FARMASI
SURABAYA
2004**

Lembar Pengesahan

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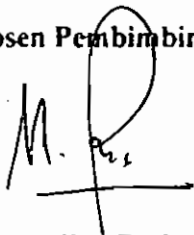
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ABSTRACT

Ortho effect in synthesis of amides from aromatic carboxylic acid was observed by comparing the synthesis of two substances. Salicylanilide and (15:0) anacardanilide, which differ only by the present of pentadecyl group at *ortho* position from the carboxylic group, was synthesized by reaction of the corresponding acid (salicylic acid, (15:0) anacardic acid) with thionyl chloride, followed by treatment of crude acid chloride with aniline. Although both amides were synthesized using the same method and condition, only salicylanilide was obtained in good yield. (15:0) Anacardanilide was not obtained, since analysis with ¹H NMR, Mass spectrometer and IR spectrophotometer did not indicate the present of this product.

Keyword :

(15:0) anacardic acid, (15:0) anacardanilide, salicylic acid, salicylanilide, *N*-acylation.