

- FISH OIL + I AMACOR 70 : 30
- GAS CHROMATOGRAPHY

# SKRIPSI

IDA NURSANTI

## PENENTUAN KADAR ASAM DOKOSAHEKSAENOAT (DHA) DALAM KAPSUL MINYAK IKAN SECARA KROMATOGRAFI GAS

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FAKULTAS FARMASI  
BAGIAN KIMIA FARMASI  
UNIVERSITAS AIRLANGGA  
SURABAYA  
2005



## Lembar Pengesahan

# PENENTUAN KADAR ASAM DOKOSAHEKSAENOAT (DHA) DALAM KAPSUL MINYAK IKAN SECARA KROMATOGRAFI GAS

## SKRIPSI

Dibuat untuk Memenuhi Syarat Mencapai Gelar Sarjana Farmasi  
pada Fakultas Farmasi Universitas Airlangga  
Surabaya 2005

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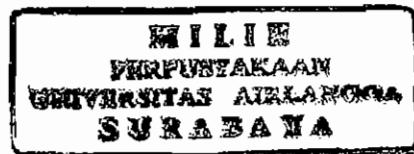
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## **ABSTRACT**

The determination of DHA in food supplement preparations using gas chromatography has been done. The purpose of this work was to determine DHA concentration in two brands of fish oil capsules which are available in standard method. The method was validated to in terms of specificity, linearity, precision and accuracy.

The average of DHA concentration for fish oil capsule with high price is 219,0 mg/capsule (the label mention that the DHA concentration is 95 mg/capsule). On the other hand, the average of DHA concentration for fish oil capsule with lower price is 139,2 mg/capsule (the label mention that the DHA concentration is 120 mg/capsule).

**Keywords :** fish oil capsule, gas chromatography, DHA concentration.