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QUINIDINE
PHARMACOKINETICS

SKRIPSI

MHD. ARSYAD ELFIQAH RAMBE

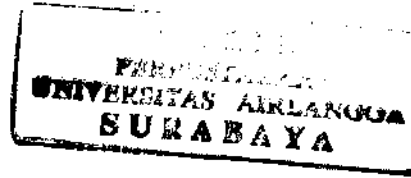
**STUDI FARMAKOKINETIKA
KUIINIDIN DARI DATA URIN**



**FAKULTAS FARMASI
UNIVERSITAS AIRLANGGA
BAGIAN BIOMEDIK FARMASI
SURABAYA**

2004

Lembar Pengesahan



**STUDI FARMAKOKINETIKA
KUIPIDIN DARI DATA URIN**

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**Dibuat Untuk Memenuhi Syarat Mencapai Gelar Sarjana Farmasi Pada
Fakultas Farmasi Universitas Airlangga
2004**

Oleh :

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ABSTRAK

The research to determine the pharmacokinetic profile of quinidine sulphate tablet 200 mg given orally done by taking urine samples of 5 male volunteers who had been clinically checked such as ECG, SGOT, SGPT, Creatinin serum and BUN so that they could be concluded as being healthy.

Before taking samples, these volunteers had to fast for 12 hours to empty their stomach so that it wouldn't influence the drug absorption. Samples were taken minimally 7 times the drug's half life (6 hours) which was 42 hours.

The determination of quinidine sulphate concentration in urine was done by using spektrofotometri at Extin wave length 250 nm and emission wave length 445 nm. Before the concentration of quinidine were determined, the method validation e.g linearity and percent recovery must have been done first. The result of method validation met the requirement.

The pharmacokinetic profiles of quinidine in urine data were K_d which range 0,16 – 0,28 / hours, $t_{1/2}$ which range 2,52 – 4,47 hours, and k_a which range 0,09 – 0,21 / hours.

Keywords: pharmacokinetics quinidin sulphate urine data