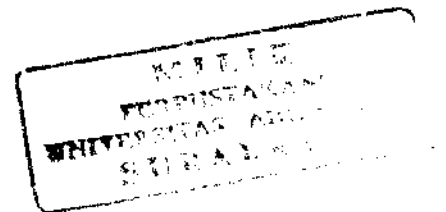


SKRIPSI

INTAN T F SIDABUTAR

ISOLASI SENYAWA RUTIN DARI TUMBUHAN *Phyllanthus niruri* LINN



FAKULTAS FARMASI
UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
SURABAYA
2003

Lembar Pengesahan

ISOLASI SENYAWA RUTIN DARI TUMBUHAN
Phyllanthus niruri LINN

SKRIPSI

Dibuat untuk memenuhi syarat mencapai gelar Sarjana Farmasi pada
Fakultas Farmasi Universitas Airlangga
2003

Oleh :

Intan T F Sidabutar
059912116



Skripsi ini telah
Disetujui tanggal 24 Desember 2003
oleh:

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A handwritten signature in black ink, appearing to read 'Fuad Hafid'.

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A handwritten signature in black ink, appearing to read 'Herra Studiawan'.

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ABSTRACT**ISOLATION OF RUTIN FROM *Phyllanthus niruri* LINN**

Rutin is one of the substance which occur in *Phyllanthus niruri* L. Which useful as antioxidant and antiinflamacy. Substances have isolated with vacuum liquid chromatography using Chloroform : methanol with many comparison as eluen in extract separation. Research shown that identically substance with rutin is occur in fraction 18 -21 with weight 427 mg. The substances from fraction 18-21 were purified with TLC preparatif and one spot was gained in second TLC preparatif. And purified with Open coloumn Chromatography as alternative method.

Qualitative analysis using TLC scanner acquired 265 nm and 365 nm as the identically λ maximum with rutin standard., and the match factor is 997,329. From the open coloumn chromatography obtain 265 nm and 360 nm as the λ maximum. And the match factor is 997,351.

Keywords: Rutin, Vaccum Liquid Chromatography, TLC preparatif, TLC scanner.