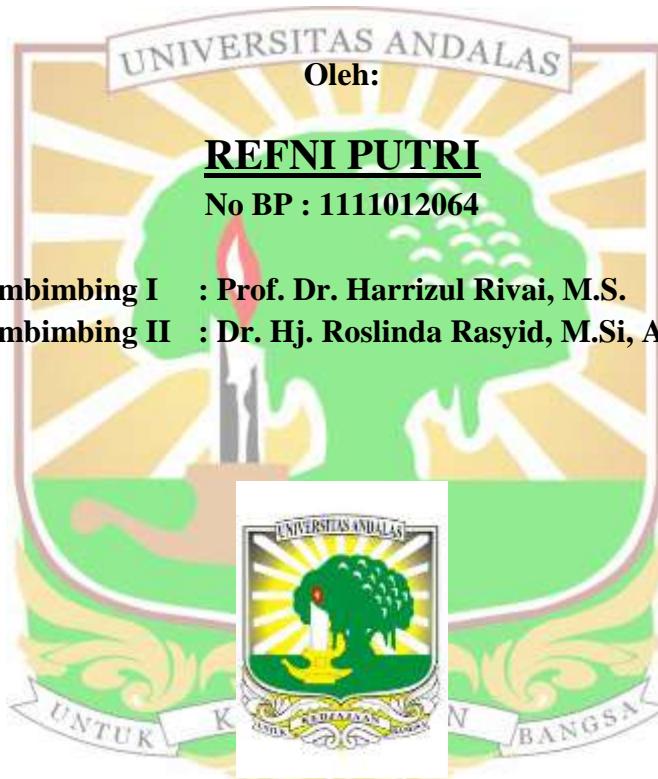


**ANALISIS KUALITATIF DAN PENETAPAN KADAR FENOL  
EKSTRAK HEKSANA, ASETON, METANOL DAN AIR DARI  
MENIRAN (*Phyllanthus niruri* L.)**

**SKRIPSI SARJANA FARMASI**



Pembimbing I : Prof. Dr. Harrizul Rivai, M.S.  
Pembimbing II : Dr. Hj. Roslinda Rasyid, M.Si, Apt

**FAKULTAS FARMASI  
UNIVERSITAS ANDALAS  
PADANG  
2018**

## **ABSTRAK**

Telah dilakukan pengujian terhadap meniran (*Phyllanthus niruri L.*) yang diambil dari Kabupaten Agam. Meniran diekstraksi menggunakan 4 macam pelarut yang berbeda kepolarnya yakni heksana, aseton, methanol dan air. Dilakukan proses sokletasi untuk menyari tumbuhan kecuali air, karena air memiliki titik didih yang tinggi. Dari hasil analisa kualitatif meniran, diketahui bahwa meniran mengandung steroid, saponin, karbohidrat, flavonoid, fenol dan tannin. Untuk penetapan kadar fenol, dilakukan dengan metode Folin-Ciocalteu dan menggunakan alat Spektfotometri UV-Vis. Didapatkan hasil kadar fenolik total dalam ekstrak aseton 1,2434%, di dalam ekstrak metanol 1,2824% dan kadar paling tinggi pada ekstrak air meniran 1,3054%. Kadar senyawa fenolik rata-rata dari ekstrak meniran didapat sebesar 1,2771%.



## ABSTRACT

Experiment has been done on qualitative analysis and determination of phenol levels of *Phyllanthus niruri* L.. *Phyllanthus niruri* L. were taken from Agam Regency. Meniran extracted using 4 kinds of solvents that differ in polarity namely hexane, acetone, methanol and water. The siccation process is carried out to extract plants except water, because water has a high boiling point. From the results of qualitative analysis of meniran, it is known that meniran contains steroids, saponins, carbohydrates, flavonoids, phenols and tannins. The determination of phenol levels was carried out using the Folin-Ciocalteu method and using the UV-Vis Spectrophotometry. The results of total phenolic content in acetone extract 1.2434% were found, in the methanol extract 1.2824% and the highest level in extracts of meniran water 1.3054%. The average phenolic compound level of meniran extract was obtained at 1.2771%.

