

**PENETAPAN KADAR FLAVONOID BATANG  
*MAHONIA FORTUNEI (BERBERIS FORTUNEI)***

**SKRIPSI**

**Diajukan sebagai salah satu syarat untuk memperoleh  
gelar Sarjana Farmasi**



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## ABSTRAK

Penetapan Kadar Flavonoid Pada Tanaman Batang *Mahonia Fortunei* (*Berberis Fortunei*)

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### **Abstract**

*Mahonia fortunei*, from the Berberidaceae family, is useful for treating diarrhea, fever, rubella, jaundice, toothache, boils and abscesses. This plant contains flavonoids, saponins, tannins, terpenoids and steroids. This research characterized *Mahonia fortunei* stem simplicia, including water content, drying loss, total ash content, and acid insoluble ash content, as well as determining flavonoid content using the UV-Vis spectrophotometric method. The characterization results showed that the water content and drying loss were 9.18%, the total ash content was 5.95%, the acid insoluble ash content was 1.87%, and the flavonoid content was 13,297 mgQE/g.

**Keywords:** *Mahonia fortunei*, Characterization of simplicia, flavonoid content,

### **Abstrak**

*Mahonia fortunei*, dari keluarga Berberidaceae, bermanfaat untuk mengobati diare, demam, rubella, penyakit kuning, sakit gigi, bisul, dan abses. Tanaman ini mengandung flavonoid, saponin, tanin, terpenoid, dan steroid. Penelitian ini mengkarakterisasi simplisia batang *Mahonia fortunei*, mencakup kadar air, susut pengeringan, kadar abu total, dan kadar abu tidak larut asam, serta menentukan kadar flavonoid dengan metode spektrofotometri UV-Vis. Hasil karakterisasi menunjukkan kadar air dan susut pengeringan 9,18%, kadar abu total 5,95%, kadar abu tidak larut asam 1,87%, dan kadar flavonoid 13,297 mgQE/g

**Kata kunci:** *Mahonia fortunei*, Karakterisasi simplisia, kadar flavonoid.