

ABSTRAK

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Program Studi : Farmasi
Judul : Fraksinasi Ekstrak Etanol Daun Muda Pucuk Merah (*Syzygium myrtifolium* Walp.) dan Penetapan Kadar Total Flavonoid dengan Metode Spektrofotometri UV-Vis

Daun muda pucuk merah (*Syzygium myrtifolium* Walp.) diketahui mengandung banyak senyawa metabolit sekunder terutama flavonoid yang memiliki beragam aktivitas farmakologis. Tujuan penelitian ini untuk menentukan kadar total flavonoid pada ekstrak dan fraksi-fraksi daun muda pucuk merah (*Syzygium myrtifolium* Walp.). Penelitian ini menggunakan metode analisis kuantitatif dengan Spektrofotometer UV-Vis. Hasil penelitian menunjukkan kadar total flavonoid yang diperoleh, yaitu $26,093 \pm 0,961$ mgQE/g ekstrak, $18,293 \pm 2,925$ mgQE/g fraksi *n*-heksan, $65,781 \pm 6,365$ mgQE/g fraksi etil asetat, dan $12,583 \pm 0,824$ mgQE/g fraksi air. Dengan demikian, fraksi etil asetat merupakan sampel yang memiliki kadar total flavonoid tertinggi.

Kata Kunci : Daun muda pucuk merah, Fraksinasi, Kadar total flavonoid

ABSTRACT

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Title : Fractionation Ethanol Extract of Young Shoots of Red Shoots (Syzygium myrtifolium Walp.) and Determination of Total Flavonoid Content by UV-Vis Spectrophotometry Method

The young leaves of red shoots (Syzygium myrtifolium Walp.) are known to contain many secondary metabolites, especially flavonoids which have various pharmacological activities. The purpose of this study was to determine the total levels of flavonoids in the extract and fractions of red shoots red leaves (Syzygium myrtifolium Walp.). This study used a quantitative analysis method with UV-Vis Spectrophotometer. The results showed that the total levels of flavonoids obtained were $26,093 \pm 0,961$ mgQE/g extract, $18,293 \pm 2,925$ mgQE/g n-hexane fraction, $65,781 \pm 6,365$ mgQE/g ethyl fraction acetate, and $12,583 \pm 0,824$ mgQE/g water fraction. Thus, the ethyl acetate fraction is the sample that has the highest total flavonoid content.

Keyword : Fractination, Total flavonoid content, Young leaves of red shoot