

ABSTRAK

UJI KADAR FLAVONOID TOTAL EKSTRAK ETANOL 96% DAUN DURIAN (*Durio zibethinus* Murr. varr *Bangkok*) (Oleh Rizka Anjeliana; Pembimbing Revita Saputri dan Fitriyanti; 2022; 65 Halaman)

Durian (*Durio zibethinus* Murr.) memiliki berbagai khasiat farmakologis dalam pengobatan penyakit. Beberapa penelitian farmakologi pada daun durian (*Durio zibethinus* Murr.) antara lain memiliki aktivitas antioksidan, antidiabetes, antifungi terhadap *C. albicans* dan dapat menurunkan kadar hiperurisemia. Senyawa flavonoid merupakan senyawa yang berperan terhadap aktivitas farmakologi dari daun durian. Penelitian ini bertujuan untuk mengetahui kandungan senyawa flavonoid dan untuk mengetahui berapa kadar flavonoid total dari ekstrak etanol 96% daun durian (*Durio zibethinus* Murr. varr *Bangkok*). Metode ekstraksi yang digunakan adalah maserasi menggunakan pelarut etanol 96%. Analisis kualitatif senyawa kimia dengan skrining fitokimia flavonoid. Penentuan kadar flavonoid total dilakukan menggunakan spektrofotometer UV-Vis dengan metode kolorimetri. Hasil penelitian ini diperoleh rendemen ekstrak etanol 96% daun durian sebesar 6,5%. Hasil identifikasi senyawa flavonoid didapatkan ekstrak etanol 96% daun durian positif mengandung senyawa flavonoid. Hasil uji kuantitatif kadar flavonoid total diperoleh sebesar 73,1361 mgQE/g atau 7,3135%.

Kata Kunci : *Durio zibethinus* Murr, Daun, Flavonoid total.

ABSTRACT

TEST TOTAL FLAVONOID LEVELS OF ETHANOL EXTRACT 96% DURIAN LEAVES (*Durio zibethinus* Murr. varr. *Bangkok*) (By Rizka Anjeliana; Supervisors Revita Saputri and Fitriyanti; 2022; 65 Pages)

Durian (*Durio zibethinus* Murr.) has various pharmacological properties in the treatment of diseases. Several pharmacological studies on durian leaves (*Durio zibethinus* Murr.) include antioxidant, antidiabetic, antifungal activity against *C. albicans* and can reduce hyperuricemia levels. Flavonoid compounds are compounds that play a role in the pharmacological activity of durian leaves. This study aims to determine the content of flavonoid compounds and to determine the total flavonoid content of 96% ethanol extract of durian leaves (*Durio zibethinus* Murr. varr *Bangkok*). The extraction method used is maceration using 96% ethanol as solvent. Qualitative analysis of chemical compounds with flavonoid phytochemical screening. Determination of total flavonoid content was carried out using a UV-Vis spectrophotometer with colorimetric method. The results of this study obtained that the yield of 96% ethanol extract of durian leaves was 6.5%. The results of the identification of flavonoid compounds showed that 96% ethanol extract of durian leaves was positive for flavonoid compounds. The results of the quantitative test of total flavonoid levels were obtained at 73.1361 mgQE/g or 7.135%.

Keywords : *Durio zibethinus* Murr, *Leaves*, *Total Flavonoids*.