

**COMPARISON OF RESULT VALUE, PHYTOCHEMICAL AND  
FLAVONOID CONTENT OF ETHANOL, N-HEXANE  
EXTRACT AND ETHYL ACETATE OF SUNGKAI  
LEAVES (*Peronema Canescens Jack*)**

**ABSTRACT**

Sungkai plant (*Peronema Canescens Jack*) is a plant that is commonly found in Indonesia, including in South Sumatra. Sungkai leaves contain flavonoid compounds and act as medicines. This research was conducted to determine the secondary metabolites and the yield and levels of flavonoids using a UV-Vis spectrophotometer of ethanol, n-hexane and ethyl acetate extracts. The yield of ethanol extract was (11.28%), ethyl acetate (3.82%) and n-hexane (1.11%). The phytochemical test results of the ethanol extract contained positive alkaloids, flavonoids, saponins, steroids, and tannins, while the n-hexane extract contained alkaloids, flavonoids, saponins and steroids, and the ethyl acetate extract contained alkaloids, flavonoids, saponins, tannins, terpenoids and steroids. The levels of flavonoids in the ethanol, ethyl acetate, and n-hexane extracts were 37,478 µg/mL, 45,043 µg/mL and 50,521 µg/mL, respectively.

**Keywords:** *flavonoids, ethanol, n-hexane, ethyl acetate, sungkai plant (Peronema Canescens Jack)*

**PERBANDINGAN NILAI RENDEMEN, FITOKIMIA, SERTA KADAR  
FLAVONOID DARI EKSTRAK ETANOL, N-HEKSANA  
DAN ETIL ASETAT DAUN SUNGKAI  
(*Peronema Canescens Jack*)**

**ABSTRAK**

Tumbuhan sungkai (*Peronema Canescens Jack*) merupakan tumbuhan yang banyak ditemukan di Indonesia termasuk di daerah Sumatera Selatan. Daun sungkai mengandung senyawa flavonoid dan berperan sebagai obat-obatan. Penelitian ini dilakukan untuk mengetahui senyawa metabolit sekunder serta rendemen dan kadar flavonoid menggunakan spektrofotometer UV-Vis dari ekstrak etanol, n-heksana dan etil asetat. Hasil rendemen ekstrak etanol sebanyak (11,28%), etil asetat (3,82%) dan n-heksana (1,11%). Hasil uji fitokimia dari ekstrak etanol mengandung positif alkaloid, flavonoid, saponin, steroid, dan tannin, sedangkan ekstrak n-heksana mengandung senyawa alkaloid, flavonoid, saponin dan steroid, serta ekstrak etil asetat mengandung senyawa alkaloid, flavonoid, saponin, tannin, terpenoid dan steroid. Nilai kadar flavonoid ekstrak etanol, etil asetat, dan n-heksana berturut-turut adalah sebagai berikut 37.478 µg/mL, 45.043 µg/mL dan 50.521 µg/mL.

**Kata Kunci:** flavonoid, etanol, n-heksana, etil asetat, daun sungkai (*Peronema Canescens Jack*)