

ABSTRAK

FORMULASI DAN EVALUASI SIRUP DAUN KELAKAI (*Stenochlaena palustris* (Burm. F) Bedd) (Oleh: Siti Titin Ismawati; Pembimbing: Dyera Forestryana dan Revita Saputri; 2022; 103 Halaman)

Daun kelakai (*Stenochlaena palustris* (Burm. F) Bedd) memiliki khasiat sebagai antioksidan yang dapat menangkal radikal bebas penyebab kerusakan pada sel tubuh. Daun kelakai (*Stenochlaena palustris* (Burm. F) Bedd) memiliki rasa yang agak pahit untuk menutup rasa pahit maka dibuat menjadi sediaan sirup. Penelitian ini bertujuan untuk mengetahui kandungan senyawa daun kelakai, formulasi dan pengaruh variasi konsentrasi infusa daun kelakai terhadap hasil evaluasi sirup. Metode ekstraksi yaitu infundasi. Hasil penelitian menunjukkan infusa daun kelakai memiliki kandungan senyawa flavonoid, saponin, dan tanin, konsentrasi infusa daun kelakai mempengaruhi hasil evaluasi. Semakin tinggi konsentrasi infusa daun kelakai rasa sirup semakin tidak manis, baunya semakin khas, warnanya semakin pekat, viskositas tinggi, homogenitas terdapat endapan, kejernihan semakin tidak jernih, dan volume terpindah mengalami pengurangan volume setelah penyimpanan selama 6 siklus, Berdasarkan hasil seluruh evaluasi uji yang telah dikumpulkan dapat disimpulkan formula yang evaluasinya paling baik dari sediaan sirup daun kelakai (*Stenochlaena palustris* (Burm.F) Bedd) yaitu formula 1 dengan konsentrasi infusa daun kelakai 10%.

Kata kunci: Daun kelakai, sirup, evaluasi, formulasi, infusa

ABSTRACT

FORMULATION AND EVALUATION OF KELAKAI LEAF SYRUP (*Stenochlaena palustris* (Burm. F) Bedd) (By: Siti Titin Ismawati; Supervisors: Dyera Forestryana and Revita Saputri; 2022; 103 Pages)

Kelakai leaves (*Stenochlaena palustris* (Burm. F) Bedd) has properties as an antioxidant that can ward off free radicals that cause damage to body cells. Kelakai leaves (*Stenochlaena palustris* (Burm. F) Bedd) has a slightly bitter taste to cover the bitter taste then it is made into a syrup preparation. This study aims to determine the content of kelakai leaf compounds, formulations and the influence of variations in the concentration of kelakai leaf infusion on the results of syrup evaluation. The extraction method is infundation. The results showed that the infusion of kelakai leaves contains flavonoid compounds, saponins, and tannins, the concentration of infusion of kelakai leaves affects the evaluation results. The higher the concentration of infusion of syrup leaves, the less sweet the syrup tastes, the more distinctive the smell, the more intense the color, the higher viscosity, the homogeneity there is a precipitate, the clarity is less clear, and the transferred volume has a reduction in volume after storage for 6 cycles, Based on the results of all test evaluations that have been collected, it can be concluded that the formula whose evaluation is the best from the preparation of the syrup of the leaves of the blind (*Stenochlaena palustris* (Burm.F) Bedd) which is formula 1, namely formula 1 with an infusion concentration of kelakai leaves of 10%.

Keywords: Kelakai leaf, syrup, evaluation, formulations, infusa