

**KARAKTERISASI SIMPLISIA DAN EKSTRAK DAUN
BINTANGOR (*Calophyllum soulattri* Burm. f)**

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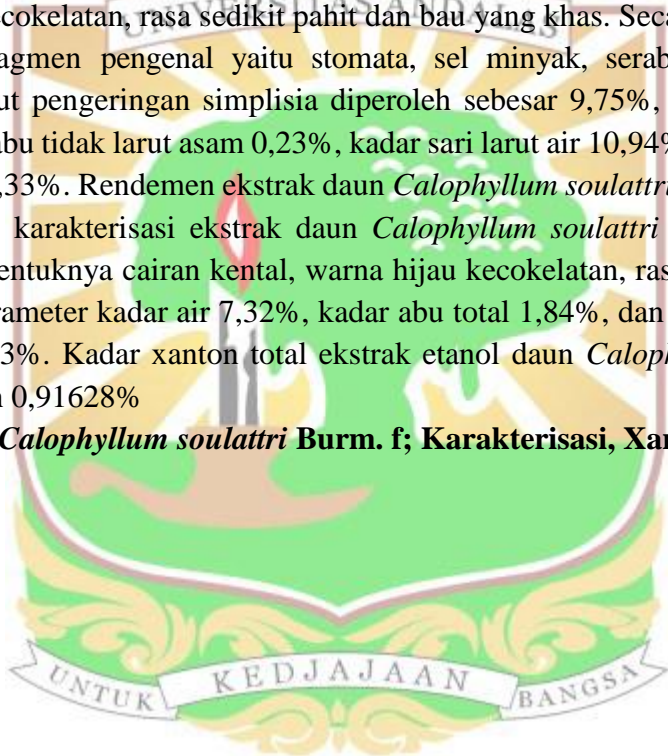
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Karakterisasi Simplisia dan Ekstrak Daun Bintangor (*Calophyllum soulattri*
Burm.f)

ABSTRAK

Penelitian ini bertujuan untuk mengetahui karakterisasi simplisia dan ekstrak daun *Calophyllum soulattri* Burm. f. Daun *Calophyllum soulattri* Burm. f berasal dari Hutan Bukit Pinang-pinang, Padang, Sumatera Barat. Daun *Calophyllum soulattri* Burm. f dimaserasi menggunakan pelarut etanol 70% hingga didapatkan ekstrak daun *Calophyllum soulattri* Burm. f. Hasil karakterisasi simplisia daun *Calophyllum soulattri* Burm. f didapatkan bahwa bentuknya serbuk, warna hijau kecokelatan, rasa sedikit pahit dan bau yang khas. Secara mikroskopis didapatkan fragmen pengenal yaitu stomata, sel minyak, serabut dan trakeid. Parameter susut pengeringan simplisia diperoleh sebesar 9,75%, kadar abu total 2,71%, kadar abu tidak larut asam 0,23%, kadar sari larut air 10,94% dan kadar sari larut etanol 11,33%. Rendemen ekstrak daun *Calophyllum soulattri* Burm. f adalah 15,39%. Hasil karakterisasi ekstrak daun *Calophyllum soulattri* Burm. f secara organoleptis bentuknya cairan kental, warna hijau kecokelatan, rasa pahit dan bau yang khas. Parameter kadar air 7,32%, kadar abu total 1,84%, dan kadar abu tidak larut asam 0,23%. Kadar xanton total ekstrak etanol daun *Calophyllum soulattri* Burm. f adalah 0,91628%

Kata Kunci : *Calophyllum soulattri* Burm. f; Karakterisasi, Xanton Total



Characterization of Crude Drugs and Extract of Bintangor Leaves (*Calophyllum soulattri* Burm. f)

ABSTRACT

The purpose of this research is to know the characterization of simplicia and extract of leaf *Calophyllum soulattri* Burm. f. Leaf *Calophyllum soulattri* Burm. f originated from the forest of Pinang-pinang, Padang, West Sumatra. Leaf *Calophyllum soulattri* Burm. f was macerat using ethanol 70% solvent to obtain extract of leaf *Calophyllum soulattri* Burm. f. The result of characterization of simplicia of leaf *Calophyllum soulattri* Burm. f found that the form of powder, green brown color, a bit bitter taste and unique smell. Microscopically obtained the recognition fragments are stomata, oil glands, fibers and tracheid. Parameters of drying simplicia dried up 9.75%, total ash content of 2.71%, non acid soluble ash content 0.23%, water soluble concentration 10.94% and ethanol soluble concentration 11.33%. Rendemen of extract of leaf *Calophyllum soulattri* Burm. f was 15.39%. Characterization of extract of leaf *Calophyllum soulattri* Burm. f organoleptic forms viscous liquid, green brown color, bitter taste and unique smell. Parameters of water content 7.32%, total ash content 1,84%, and non acid soluble ash content 0.23%. The result of determination of total xanthone content of extract of leaf *Calophyllum soulattri* Burm. f was 0.91628%

Keywords : *Calophyllum soulattri* Burm. f, Characterization, Total Xanthone

