

**ISOLASI SENYAWA METABOLIT SEKUNDER DARI EKSTRAK ETIL ASETAT  
DAUN SUNGKAI (*Peronema canescens* Jack) DAERAH BENGKULU SERTA UJI  
ANTIOKSIDAN DAN FENOLIK TOTAL**

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## ABSTRACT

### ISOLATION OF SECONDARY METABOLITES FROM THE EXTRACT FRACTION OF SUNGKAI LEAVES (*Peronema canescens* Jack) OF BENGKULU REGION AND ANTIOXIDANT AND TOTAL PHENOLIC TEST

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Sungkai (*Peronema canescens* Jack) is a plant from the *Verbenaceae* tribe, which is traditionally used as a medicine, among others, as a cold medicine, fever, worm medicine, toothache prevention medicine and malaria medicine. In this study, isolation of secondary metabolite compounds from the leaf ethyl acetate extract of bengkulu region sungkai (*Peronema canescens* Jack) and antioxidant and total phenolic. In the column chromatography process, the isolation results were obtained in the form of white amorphous solids weighing 1 mg with a melting point of 141-143°C. The purity test results showed a single purple stain on the KLT plate. The results of phytochemical screening showed that the ethyl acetate extract of sungkai leaves contained phenolic compounds, triterpenoids and steroids. The results of phytochemical screening showed that the ethyl acetate extract of sungkai leaves contained phenolic compounds, terpenoids and steroids. The results of UV spectrophotometer analysis showed a maximum absorption at a wavelength of 243 nm which indicates the presence of conjugated double bonds. In the antioxidant activity test of fraction H using the DPPH (1,1-diphenyl-2-picrylhydrazyl) method. The results showed that fraction H had moderate antioxidant activity indicated by an IC<sub>50</sub> value of 128.074 mg/L. In the total phenolic content test of fraction H using the Follin-clocalteu method. The results showed that fraction H had phenolic activity with a value of 41.51 mg GAE/g sample.

**Keywords:** Sungkai (*Peronema canescens* Jack), Antioxidant, Phenolics.