

ABSTRACT

ISOLATION AND CHARACTERIZATION OF STRUCTURE TRITERPENOID COMPOUNDS OF BARK PLANTS CHERRY (*Muntingia calabura.L*)

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Isolation and characterization of triterpenoid compounds have been done successfully to hexane extract of bark cherry plant (*Muntingia calabura.L*). Extraction sample of cherry extract was done by using maceration method. Compound isolation was done by using column chromatography method with eluent system is SGP (Step Gradient Polarity). Isolated compound obtained in the form of a white crystalline solid needle at melting point is 131-132°C and became maroon after reagent is added LB (*Liebermann Burchard*). At Ultraviolet spectroscopy showed a maximum wavelength absorption at 202 nm. FT-IR spectroscopy showed bending CH_2 and bending CH_3 at a wavelength of 1465.62 and 1382.36 cm^{-1} and other groups such O-H stretching, C-O stretching, C-H alkane and C=C stretching isolated.

Keyword: Extraction, *Muntingia calabura.L.*, Isolation, Triterpenoid.

