

ABSTRACT

IDENTIFICATION OF CHEMICAL COMPOUND CONTENT OF THE EXTRACT 70% ETHANOL VIOLCES (*Viola odorata*) LEAVES USING GC-MS METHOD

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The plant that has the potential and is currently being developed is Violces (*Viola odorata*). It is a multifunctional plant known to have a wide spectrum of biological activities, including antivirus, skin rash treatment, insect bite relief, antibacterial, anticancer, and antidiabetic properties. Considering the numerous uses of the Violces plant, this study aims to determine the compounds present in the plant using GC-MS instrument. The results of the GC-MS analysis on the sample showed 27 peaks of chemical compounds identified in the ethanol 70% extract of Violces leaves. Three compounds with the highest percentage area values were found 2,4-Di-tert-butylphenol (18.42%), eucalyptol (11.65%), and a-Terpineol (8.14%). This research provides insight into the chemical composition of the Volces leaves which may serve as a basis for further understanding its potential in traditional medicine for application.

Keywords : Violces leaves 70% ethanol extract, GC-MS, secondary metabolites