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## Characterization and Evaluation of Bioactive Compounds of Extract Ethanol *Tageteserecta* L.by GC-MS

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**Abstract**: *Tageteserecta* L. is one of the plants with a variety of chemical constituents. This study aims to characterize the ethanol extract and determine bioactive compounds. Characterization of extracts taken is the determination of moisture content, total ash value and the total value of acid insoluble ash. Evaluation the content of bioactive compounds using gas chromatography - mass spectrometry (GC-MS). Characteristics of the extract obtained results of moisture content  $8.28 \pm 0.540\%$  v/w, the value of total ash content of  $2.54 \pm 0.038\%$  w/w and the value of acid insoluble ash content was  $0.98 \pm 0.064\%$  w/w. Identification GC-MS produces 17 types of compound with a retention time of 31.284 to 50.614. Three compounds with the greatest abundance are Neophytadine 43.88%, 9,12,15-Octadecatrienoic 13.45% acid- methyl ester and hexadecanoic acid-methyl ester 13.24%.

**Keywords**: characterization of extract, GC-MS, ethanol extract.

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