

ABSTRACT

PHYTOCHEMICAL SCREENING ON METHANOL EXTRACT OF MINT LEAF (*Mentha arvensis*)

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Mentha plant is one of the aromatic herbs derived from the family Lamiaceae which has many benefits for treatment, namely as a treatment of liver and spleen diseases, asthma, jaundice, arthritis, hypertension, and postoperative vomiting nausea. In this study used mint leaves manifold *mentha arvensis* because it is thought to contain a lot of secondary metabolite compounds. But since it has not been identified much, it is necessary to conduct a phytochemical screening study to identify it. Phytochemical screening of mint leaves is carried out to identify the content of alkaloid compounds, flavonoids, saponins, tannins, terpenoids and steroids. The method used in this study is the method of extraction of maceration. Mint leaf extract is obtained from a 3x24 hour maceration extraction process using methanol solvents. The viscous extract obtained evaporation yield amounted to 7.91 g. The percentage gain of rendemen amounted to 7.91%. The results showed that mint leaf extract (*Mentha arvensis*) positively contains compounds alkaloid, flavonoids, saponins, tannins, steroids, and negatively contains terpenoids compounds. Therefore, further research on phytochemical screening of mint leaf methanol extract (*Mentha arvensis*) using the KLT and LCMS assays, using extraction methods and other solvents.

Keywords : *Phytochemical Screening, Mentha arvensis, Methanol*