

ABSTRACT

PHYTOCHEMICAL SCREENING OF ROSEMARY METHANOL EXTRACT (*Rosmarinus officinalis* L.) USING MACERATION EXTRACTION METHOD

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Flavonoids are a class of polyphenolic compounds which are known to have properties as free radical scavengers, inhibitors of hydrolysis and oxidative enzymes, and work as anti-inflammatory, so it can be concluded that flavonoids can work as antioxidants. extraction of chemical compounds from the rosemary plant (*Rosmarinus officinalis* L.) using the maseras extraction method. Extraction is the process of taking color-producing pigments in plants, both those found in leaves, stems, fruits, flowers, seeds, and roots. Extraction of Rose Flower (*Rosmarinus officinalis* L.) using methanol as solvent. Concentrated with a vacuum rotary evaporator and the extract was taken, then phytochemical screening was carried out to determine the secondary metabolite group in Rosemary (*Rosmarinus officinalis* L.) using certain reagents. The purpose of this study was to determine the class of phytochemical compounds contained in the methanolic extract of Rosemary (*Rosmarinus officinalis* L.). The alkaloid test showed a positive result, the flavonoid test showed a negative result, the terpenoid test showed a positive result, the steroid test showed a positive result, the poly venol test showed a positive result, the saponin test showed a positive result, and the tannin test showed a positive result. The results of the research that have been carried out can be concluded that the methanolic extract of Rosemary (*Rosmarinus officinali* L.) positively contains alkaloids, flavonoids, steroids, terpenoids, polyphenols, saponins and tannins. The suggestion in this research is that there is a need for further research on the secondary metabolite group in the Rosemary plant extract (*Rosmarinus officinalis* L.) using the TLC method to clarify the presence of a positive group of compounds.

Keyword : Rosemary, maceration, phytochemiacal