

## ABSTRACT

### ISOLATION OF TERPENOID COMPOUND EXTRACT N- HEXANE FROM *Marsilea crenata* Presl.

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Isolation and characterization of terpenoid compound from n-hexane extract of *Marsilea crenata* leaves, known as Semanggi, was done. Leaves of the plant (1000g) were extracted with n-hexane (11.4L) obtain 19g of thick extract successively. The extract n-hexane was separated by vacuum liquid chromatography and sephacore fraction collector to get terpenoid compound. The targeted compound was identified using color reaction Lieberman-Burchard, and Salkowski. Study was undertaken to characterize data based on IR spectorscopy, and <sup>1</sup>H-RMI spectroscopy. Based on the data obtained, it is concluded the isolated compound was a triterpenoid or steroid compund that has C=O, O-H, C-H and ester functional group.

Keywords: isolation, *Marsilea crenata*, steroid.