

Effect of solvents on the extraction of Kacip Fatimah (*Labisia pumila*) leaves

ABSTRACT

This study aimed to ascertain the effect of solvents on the extraction of some bioactive compound from Kacip Fatimah (*Labisia pumila*) leaves was investigated. The main compound identified using High Performance Liquid Chromatography was gallic acid. Thus, the solvents tested were water (H₂O), ethanol (EtOH), ethyl acetate (EA) and hexane (Hex) as the extraction solvents with 40 °C temperature and four hour extraction time using Solid Liquid Extraction (SLE). Result showed that water was the best solvent for extraction of Kacip Fatimah (*Labisia pumila*) gave higher yield (13.42 wt. %) followed by ethanol (5.96 wt. %), ethyl acetate (2.46 wt. %) and hexane (1.29 wt. %). This is believed to give good information for particular extraction processes in different polarities of solvents.

Keyword: Gallic acid; Phytochemical; Bioactivities; Antioxidant; Anti-inflammmatory