

ABSTRACT

PHYTOCHEMICAL SCREENING OF DANDANG GENDHIS LEAF METHANOL EXTRACT (*Clinacanthus nutans*)

Plants whose one or more organs containing substances that can be used for the synthesis of beneficial drugs can be called medicinal plants. Dandang Gendhis (*Clinacanthus nutans*) is one of the medicinal plants that comes from the acanthaceae family and is used to treat herpes infection, snake bites, insects, lesions (damage to skin tissue) caused by the herpes simplex virus, diabetes, and gout. Therefore, phytochemical screening is worth to determine the secondary metabolite compounds contained in the methanol extract of Dandang Gendhis leaves (*Clinacanthus nutans*). The sample in the form of Dandang Gendhis leaf powder was extracted using the maceration method for 3 x 24 hours with methanol solvent. The sample solution was concentrated using a rotary vacuum evaporator and the percentage yield value was calculated. The yield obtained from the methanol extract of Dandang Gendhis leaves was 11.62%. Based on the results of phytochemical screening, the methanol extract of Dandang Gendhis leaves (*Clinacanthus nutans*) was positive for containing flavonoid, terpenoid, tannin, and saponin compounds.

Keywords : *Clinacanthus nutans*, phytochemical screening, Secondary metabolites