

ABSTRACT

PHYTOCHEMICAL SCREENING ON 96% ETHANOL EXTRACT OF DANDANG GENDHIS (*Clinacanthus nutans*) LEAVES

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Dandang gendhis (*Clinacanthus nutans*), which is one of the plants in the *Acanthaceae* family, is known to have medicinal properties. Dandang gendhis (*Clinacanthus nutans*) leaves are efficacious as antidiabetic, for difficulty urinating (*paruresis*), wound healing, antioxidants, anti-inflammatory, and antivirals. The purpose of this study was to determine the secondary metabolite compounds contained in the extract of dandang gendhis (*Clinacanthus nutans*) leaves and to obtain the percentage value of extract yield using the maceration method for 3x24 hours with a 96% ethanol solvent. The resulting extract was evaporated using a rotary evaporator so that a thick extract of dandang gendhis (*Clinacanthus nutans*) leaves was obtained, which was blackish green in colour with a total weight of 7.11 gram and a percentage extract yield value of 7.11%. Then the thick extract was tested for phytochemical screening and showed the results that a 96% ethanol extract of dandang gendhis (*Clinacanthus nutans*) leaves contained flavonoids, saponins, tannins, terpenoids, also steroids and negatively contained alkaloids. Therefore, further research is needed on the phytochemical screening of a 96% ethanol extract of Dandang gendhis leaves using the Thin Layer Chromatography (TLC) test or with different extraction methods and solvents.

Keywords : *Phytochemical Screening, Clinacanthus nutans, Ethanol 96%*