ABSTRACT

PHYTOCHEMICAL SCREENING ON 70% ETHANOL EXTRACT OF ANDE ANDE MOSS LEAVES (*Selaginella deoderleinii*)

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Ande-ande moss (*Selaginella deoderleinii*) is a fern plant originating from China, widely used as traditional medicine. This study aims to determine the secondary metabolites contained in ande-ande moss leaves. Methods This research was carried out in several stages, namely the determination stage, the sampling stage, the powder weighing stage, the ande-ande moss fine powder extraction stage, the filtering stage, the evaporation stage, the drying stage. Maceration was carried out 3x 24 hours with ethanol 70% solvent, the maceration filtrate was put into the evaporator at 50^0C, then heated in an oven at 40^0C until a thick extract was formed. Then the yield was calculated and the phytochemical screening was carried out, the yield was the ratio between the weight of the extract produced is 13.83 grams and the weight of the powder before the extraction process is 100 grams. The resulting yield weight is 13.83%. Phytochemical screening if positive, is indicated by a change in color, sediment and foam. The results of the phytochemical screening study of ande-ande (*Selaginella deoderleinii*) leaves were positive for alkaloids, flavonoids, saponins, tannins, steroid and negative for terpenoid compounds.

Keyword: Ande-ande moss leaves, secondary metabolite compounds, yield, weight phytochemical screening, ethanol 70%, extraction.