

ABSTRACT

PHYTOCHEMICAL SCREENING OF 96% ETHANOL EXTRACT OF BLACK EAR MUSHROOM (*Auricularia nigricans*)

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Black ear mushroom (*Auricularia nigricans*) are traditionally used as medicinal ingredients and food sources. Due to the potential of black ear mushroom (*Auricularia nigricans*), it is necessary to conduct a phytochemical screening study. The purpose of this study was to determine the secondary metabolites are contained in the extract of black ear mushroom (*Auricularia nigricans*). The extraction method used in this study is soxletation method. The advantage of using the soxletation extraction method is that the extract is obtained more and takes faster. The sample used is 200 g of black ear mushroom (*Auricularia nigricans*) and 96% 1 l ethanol solvent. Then evaporated with a *rotary evaporator* until the evaporation result of the black ear mushrooms liquid extract was obtained as much 8,4 ml. then the liquid extract was carried out a phytochemical screening test using chemical reagents. The result of the study that the extract of black ear mushroom (*Auricularia nigricans*) contained secondary metabolite compounds tannins, terpenoids, flavonoids, phenolics, and alkaloids.

Keywords: Black ear mushroom, phytochemical screening, ethanol solvent