

ABSTRACT

ANTIFUNGAL ACTIVITY OF *Auricularia nigricans* EXTRACTED BY MACERATION WITH METHANOL SOLVENT AGAINST *Candida parapsilosis* USING THE WELL METHOD

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*This study aims to determine the ability of the extract methanol of black ear fungus (*Auricularia nigricans*) in inhibiting the growth of *Candida parapsilosis*. Black ear fungus is determined first in BRIN Bogor. Mushrooms are powdered before extracted. Extraction of mushrooms was carried out using the maceration method for three days. The solvent used for extraction is methanol. The result of the extraction of black ear fungus was found that the characteristics of the extract were blackish red in color, not strong in smell and in solid form with a yield value of 1.27%. The concentrations used were 0,2g/mL, 0,3g/mL, 0,4g/mL and 10% DMSO as negative control. The method used in this antifungal activity research is the well method. From the results of the study that all the concentration used there was no inhibition zone formed. These results are included in the not active category. So that black ear fungus (*Auricularia nigricans*) does not have antifungal activity against *Candida parapsilosis*.*

Keywords : *Auricularia nigricans, Candida parapsilosis, maceration, methanol, well method, antifungal activity*