

ABSTRACT

ANTIFUNGAL ACTIVITY *Auricularia nigricans* EXTRACTED USING SOXHLET WITH 96% ETANOL SOLUTION AGAINST *Candida parapsilosis* USING DISC METHOD

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The purpose of this study was to determine the ability of black ear fungus (*Auricularia nigricans*) extract to inhibit the growth of *Candida parapsilosis*. Black ear fungus samples were determined by the National Research and Innovation Agency (BRIN). 200 grams of black ear fungus powder was extracted by the soxhlet method using 1 liter of 96% ethanol as solvent for 5 hours. The extract of black ear fungus (*Auricularia nigricans*) was 8.4 ml, blackish purple in color, and had a characteristic odor. Inhibition test using paper disc method. The concentration of black ear fungus extract used was DMSO 10% as a negative control, 25%, 50%, and 75%. The results of the inhibition test showed that at all concentrations of black ear fungus extract (25%, 50%, 75% and 10% DMSO) no inhibition zone was formed and was included in the inactive category.

Keyword : Auricularia nigricans, Candida parapsilosis, Soxhlet, Disc method