

## **ABSTRACT**

### **ANTIFUNGAL ACTIVITY OF BLACK EAR FUNGUS (*Auricularia nigricans*) EXTRACTED USING SOXHLET WITH 96% ETHANOL SOLUTION AGAINST *Candida glabrata* USING DISC METHOD**

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Black ear fungus contains flavonoid compounds, alkaloids, and steroids that can inhibit microorganisms. This study aims to determine the ability of black ear fungus (*Auricularia nigricans*) extract to inhibit the growth of *Candida glabrata*. The black ear fungus was made into powder. Extraction was carried out using the soxhlet method. The solvent used is 96% ethanol. The extract obtained was 8.4 ml. The concentrations used were 25%, 50%, 75%, and 10% DMSO as negative controls. The method used in the antifungal activity research is the disc method. The results showed that in the negative control there was no inhibition zone, at a concentration of 25% an inhibition zone was formed with an average of 0.46 mm, at a concentration of 50% an inhibition zone was formed with an average of 0.68 mm, and at a concentration of 75% an inhibition zone was formed with an average of 1 mm. Black ear fungus (*Auricularia nigricans*) extract can inhibit the growth of *Candida glabrata* with a weak category.

*Keyword: Auricularia nigricans, Candida glabrata, ethanol, Soxhlet, disc method*