

## ABSTRACT

### ANTIFUNGAL ACTIVITY OF *Auricularia nigricans* EXTRACTED BY MACERATION WITH 96% ETHANOL AS SOLVENT AGAINST *Candida albicans* USING THE WELL METHODS

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Candidiasis is an infection caused by a type of fungal microorganism called *Candida albicans*. This fungi can grow in the oral cavity, digestive tract, respiratory tract and female genital. Antifungal treatments with synthetic have limitations such as great side effects and potentially give resistance effects than traditional medicine. *Auricularia nigricans* has compounds that potentially inhibit the activity of microorganisms such as flavonoid, alkaloid, monoterpenoid, and sesquiterpenoid. The study is an experimental research to determine the antifungal effect of *Auricularia nigricans* on the growth of *Candida albicans*. *Auricularia nigricans* were extracted by maceration process using 96% ethanol as solvent, the result is dark brown extracts which weight are 8,135% and tested by the well method. The experimental design used 4 treatment levels with 10% DMSO as a negative control, concentration of *Auricularia nigricans* extracts are 0.20 g/ml, 0.30 g/ml and 0.40 g/ml, with 6 repetitions. The results showed that at concentrations of *Auricularia nigricans* extracts have no inhibition zone, so it was concluded in the inactive category.

**Keywords** : *Auricularia nigricans*, *Candida albicans*