

## ABSTRACT

### ANTIFUNGAL ACTIVITY OF *Auricularia nigricans* MACERATION EXTRACTED WITH METHANOL AS SOLVENT AGAINST *Candida albicans* USING THE WELL METHOD

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The purpose of this study was to determine the ability of black ear fungus extract inhibit the growth of *Candida albicans*. Dried black ear fungus was mashed and then extracted by maceration method. The maceration process was carried out for 3 days using methanol as a solvent. The result of black ear fungus extract is a solid extract with a blackish red color with a yield weight of 1.27%. The concentrations used in this study were 0.2 g/ml, 0.3 g/ml, 0.4 g/ml, and 10% DMSO negative control. The antifungal activity test method uses the well method. The results showed that there was no inhibition zone formed in concentrations of 0.2 g/ml, 0.3 g/ml, 0.4 g/ml, and 10% DMSO negative control. Several factors such as the habitat of the black ear fungus sample, the solvent, and the concentration volume can cause no inhibition zone to be formed. The conclusion of this study was that the extract of black ear fungus (*Auricularia nigricans*) could not inhibit the growth of *Candida albicans*.

**Keyword** : *Auricularia nigricans*, *Candida albicans*, maceration, methanol, well metode, antifungal activity.