

## **ABSTRACT**

### **ANTIFUNGAL ACTIVITY OF *Auricularia nigricans* EXTRACTED BY MACERATION WITH METHANOL AS SOLVENT AGAINST *Candida glabrata* BY WELL METHOD**

**Retha Yuniar Rachmawati**

*The purpose of this study was to determine the ability of black ear fungus (*Auricularia nigricans*) extracted using methanol by maceration method in inhibiting *Candida glabrata*. This type of research is experimental with 6 times replication. The sampel used in this study was black ear fungus (*Auricularia nigricans*). Sampel were extracted by maceration for 3 days. Concentrations used were 0.2g/ml, 0.3g/ml dan 0.4g/ml and DMSO 10% as a negative control. Antifungal activity test using the well method. The weight of the extract 2.54g with a yield value of 1.27%. The results showed that no inhibition zone was formed at all concentration (0.2g/ml; 0.3g/ml; 0.4g/ml and DMSO 10%). The inhibition zone was included in the inactive category. The conclusion of this study is that black ear fungus extract (*Auricularia nigricans*) extracted using methanol by maceration method could not inhibit *Candida glabrata*.*

**Keywords :** *black ear fungus, antifungal, *Candida glabrata*, zone inhibition*