ABSTRACT

TOTAL FUNGAL COUNTS ON BLACK EAR FUNGUS (*Auricularia nigricans*)

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Black ear fungus (*Auricularia nigricans*) is a type of fungus from the group basidiomycota that can be used as a food additive. The raw materials used in food additives require microbiological standardization, one of which is the yeast count test. The purpose of this study was to determine the presence of yeast populations in the fungus black ear simplicia (*Auricularia nigricans*). The method used in this research is the pour plate method. The solvent used to dissolve the samples was 0.9% NaCl solution at a ratio of 1:9. Sample dilutions were performed starting from the 10^{-1} dilution up to 10^{-4} with 5 replicates. The results of this study found colonies of mold and yeast at a dilution of 10^{-1} up to 10^{-3}. The yeast mold number test results in this study were 4,5 x 10^{2} CFU/ml. The results of this study did not exceed the requirements for the value of yeast mold numbers determined by BPOM for processed food raw materials not to exceed 10^{4} colonies/g.

Keywords **:** *Auricularia nigricans*, yeast and molds, NaCl