

## ABSTRACT

### TOTAL FUNGAL COUNT (AKK)

### ON THE SIMPLICIA OF STRAW MUSHROOM (*Volvariella volvacea*)

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*Straw mushroom (*Volvariella volvacea*) is a mushroom rich in crude protein and carbohydrates. The aim of this research was to determine the total number of yeast and molds on the straw mushroom simplicia (*Volvariella volvacea*). This research was carried out by taking 25g of dried straw mushroom simplicia and grinding it into powder. Straw mushroom powder was dissolved using 0.90% NaCl solution. 1 ml of each dilution was taken and inoculated on PDA media using a pour plate. The culture was incubated for 5 days at a temperature of 26°C. The value of total fungal count from the straw mushroom (*Volvariella volvacea*) sample was  $7,25 \times 10^4$  colonies/gram. This value does not fulfill the standards determined by BPOM RI regulation Number 13 of 2019. In general, the color of the colony surface varies, namely yellow, greenish brown, green, rotting white, greenish yellow, white, orange. The color of the colonies varies, such as grayish white, white, gray, brown, black and green. All colonies have septate hyphae. Most of the spores were round and 1 colony was oval.*

**Keywords:** *Straw Mushroom, *Volvariella volvacea*, Total fungal count.*