

ABSTRACT

TOTAL FUNGAL COUNT OF SHITAKE MUSHROOM

(Lentinula edodes)

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Shiitake mushrooms (*Lentinula edodes*) are one of the mushrooms that can be used as a cooking ingredient and can also be made into herbal tea. The aim of this research is to determine the value of yeast mold numbers on shiitake mushroom simplicia (*Lentinula edodes*) and compare it with the requirements of BPOM RI No. 13 in 2019, namely $\leq 10^3$ colonies/g. The method used in this research is total fungal count. Sample dilution was carried out 10^{-1} to 10^{-5} with replication 4 times. The yeast mold number value obtained was 7.7×10^3 CFU/gram. Most colonies have a brown and white surface color and the reverse color of the colony is all white. All molds have septate hyphae and most of the spores are round and there is one colony that is oval. Colonies number 1, 2, 3 and 5 are suspected to be of the *Aspergillus* genus because they have brown, green to yellowish green colony characteristics and have round spore shapes. Colony number 4 is thought to be of the *Penicillium* genus because it has the characteristics of a white colony and has a conidia head shaped like a broom.

Keywords : Molds, NaCl, Shiitake Mushrooms (*Lentinula edodes*), Quality Product, Total Fungal Count.