

## **ABSTRACT**

### **MOST PROBABLE NUMBER TEST (MPN) ON LINGZHI MUSHROOM (*Ganoderma lucidum*)**

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Lingzhi (*Ganoderma lucidum*) is a mushroom that is widely known to have medicinal properties, one of which is antibacterial. The method used in this research is the Most Probable Number (MPN) with 2 tests, namely the presumptive test and the confirmation test. The aim of this research was to determine the MPN value in lingzhi mushroom samples. The sample used was 25 gram of lingzhi mushroom (*Ganoderma lucidum*) powder. Based on the research results, no coliform bacteria were found in the presumptive test, while in the confirmation test, coliform bacteria were found. Most Probable Number (MPN) for the lingzhi mushroom sample was 14/gram. Based on this, the lingzhi mushroom sample does not fulfill the bacteriological quality requirements set by SNI 7388:2009

Keywords : lingzi fungus, coliform, most probable number