

ABSTRACT

MOST PROBABLE NUMBER (MPN) OF BLACK EAR MUSHROOM (*Auricularia nigricans*)

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Black ear mushroom is one of the most widely consumed mushrooms. One of the requirements for food that can be consumed is that it does not contain coliform bacteria. The threshold of coliform bacteria according to SNI is 20/g to be used as soup or broth. The purpose of this study was to determine the value of the Most Probable Number (MPN) in black ear mushrooms. This research is an experimental research. The method used in the research is the Most Probable Number (MPN) test. The research stages include making black ear mushroom powder, sterilizing tools and materials, making media, presumptive tests and confirmation tests. The results of the presumptive test obtained an MPN value of 23/g. The results of the confirmation test obtained an MPN value of 93/g. The conclusion of the study is that the MPN value in the black ear mushroom sample is 93/g. This value is greater than the limit set by SNI.

Keywords : black ear mushroom, coliform bacteria, Most Probable Number (MPN)