ANALYSIS OF COLIFORM CONTAMINATION IN BANANA CHIPS CIRCULATING IN MOJOREJO VILLAGE, BATU CITY

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ABSTRACT

Background: *Batu City has many micro businesses as supporters of tourism activities. One of them is the fruit chips UMKM which is the mainstay of Batu City. Every business actor who organizes a food production process activity is required to ensure food safety.* ***Objective:*** *To analyze Escherichia coli contamination in banana chips circulating at Mojorejo Market.* ***Method:*** *The most probable number method according to SNI 7251:2012 on horizontal methods for the detection and enumeration of Escherichia coli using the most probable number technique.* ***Results of study****: Showed that the average MPN value for sample B was 5.26 MPN/g, for sample C it was 3.4 MPN/g, and for sample D it was also 3.4 MPN/g, thus these three samples meet the requirements according to standard SNI: 8370:2018 on fruit chips. However, sample A does not meet the requirements where the average MPN value is 31.34 MPN/g, exceeding the applicable standards..*
Conclusio: *From the results of the research conducted, it can be concluded that of the 4 samples of banana fruit chips circulating around the Mojorejo Village Market in Batu City, based on the SNI: 8370: 2018 standard regarding fruit chips, 3 samples meet the requirements where the number of e.coli contained in the fruit chips must be below <10 APM/g and sample A does not meet the requirements..*

Keyword: *Banana Chips, Escherichia coli, Most Probable Number*

KATA PENGANTAR