

Most Probable Number Of Coliform On Beef At Krian Abattoir Sidoarjo District East Java Province

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ABSTRACT

The problem on food health is the high amount of bacterial contamination of food served by food industries. The quality of beef can be affected by the level of bacterial contamination in meat. *Coliform* is a group of bacteria used as a sanitary hygiene indicator. The purpose of this study is to measure the value of MPN *Coliform* in beef at Krian's abattoir of district Sidoarjo. Thirty samples were taken from the abattoir of Krian, Sidoarjo. *Most Probable Number* was used to determine the level of *Coliform's* contaminate beef. The results showed that all beef samples at abattoir were contaminated with *Coliform*. The average contaminant levels was 706,76 MPN/g. Twenty six samples exceed the maximum limit of *Coliform* bacteria contamination in accordance with Indonesian National Standard (SNI). The highest *Coliform* MPN value is ≥ 1600 MPN / g, whereas the lowest MPN *Coliform* value is 8 MPN/g.

Key words: Beef, *Coliform*, *Most Probable Number*, Abattoir.