

CALCULATION *Coliform* BACTERIAL CONTAMINATION USING *Most Probable Number* (MPN) METHOD IN MILK DERIVED FROM FARM IN SURABAYA

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Alteration of milk quality can be affected by the level of Coliform bacterial contamination on milk. According to SNI 7388:2009 that has rules and regulation for amount of maximum total bacteria 2×10^1 colony/ml. The purpose of this research was to measure the amount of Coliform bacterial contamination in milk derived from farm in Surabaya. This research used twenty seven samples taken from nine dairy farms in Surabaya. This research used MPN method for calculating the Coliform bacterial. Samples were collected from milk can. The result of this research conduct that level of Coliform contamination higher than the standard on SNI 7388:2009. The average number of Coliform bacteria contamination on milk derived from Wonocolo I is more than 1600, from Wonocolo II is more than 1373, from Wonocolo III is more than 1090, from Wonocolo IV is more than 1600, from Bendul Merisi I is more than 1600, from Bendul Merisi II is more than 1373, from Bendul Merisi III is more than 1146, from Pogot is more than 1137, and from Kaliwaron is more than 1600.

Keyword : Milk, *Coliform*, Most Probable Number (MPN)