EXAMINATION TOTAL AMOUNT OF BACTERIA IN THE FRESH MILK ON DAIRY FARM IN SURABAYA

Mukhammad Fahmi Sobri

ABSTRACT

This study aimed to determine the total amount of bacteria that have contaminated the fresh milk on dairy farm in Surabaya. The study was conducted in December 2013 – January 2014 on dairy farm in Surabaya, Wonocolo, Kaliwaron, Bendul Merisi, Kenjeran, Laboratory of Veterinary Public Health, Faculty of Veterinary Medicine, Universitas Airlangga. Nine samples of milk from each dairy farm examined using Total Plate Count (TPC) test and the method of counting was Pour Plate. The results of microbiological analysis performed using Standard Plate Count (SPC). Descriptive data obtained based on several dairy farms in Surabaya and was done for three times repetition. TPC test showed that there were differences of each fresh milk sample were observed from some dairy farm.

Key words *:Bacteria, Dairy Farm, Fresh Milk, Total Plate Count*.