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ABSTRACT

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OVERVIEW OF THE IMPLEMENTATION OF HYGIENE, SANITATION, AND THE PRESENCE OF COLIFORM IN COW'S MILK IN DAIRY CATTLE FARMING IN TASIKMALAYA CITY AND SUKARAME DISTRICT, TASIKMALAYA REGENCY

Milk is one of the most important food ingredients because the nutritional content of milk consists of protein, fat, vitamins, and minerals that are useful for human health. The protein content in milk is an ideal environment for the growth of microorganisms, so that milk is susceptible to contamination by microorganisms so that its processed products can be a source of disease transmission (food borne disease). The purpose of this study was to describe the application of hygiene, sanitation and the presence of Coliform in fresh cow's milk in dairy farms in Tasikmalaya City and Sukarame District, Tasikmalaya Regency. The research method used is descriptive observational with a cross sectional approach. The population of this study was 7 farms in Tasikmalaya City and 1 farm in Tasikmalaya Regency. Sampling used a purposive sampling technique with samples of 6 farms and 17 milkers and fresh milk during morning and evening milking. Data collection techniques were observation and Coliform testing in milk at the Tasikmalaya City Regional Health Laboratory. Data analysis used was univariate analysis. The results of the study showed that the implementation of hygiene and sanitation of cow milkers did not meet the criteria, including milker hygiene, cow hygiene, farm sanitation and equipment sanitation based on the Decree of the Minister of Agriculture Number 422 of 2001. The results of laboratory tests showed that all fresh milk samples were contaminated with Coliform, but 9 (75%) samples exceeded the quality standard, namely 4 (33.3%) morning milking samples and 5 (41.6%) afternoon milking samples with a Coliform count of 170 - 2400 MPN / ML based on SNI 9159 of 2023. Based on research results, it is suggested that milkers can further improve milking hygiene, cow cleanliness, livestock sanitation and equipment sanitation.

Keywords: *Hygiene, Sanitation, Cow's Milk, Livestock, Coliform*