

Organization of Milk Collection in Indonesia

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ABSTRACT

The population of dairy cattle in Indonesia mostly located in Java island, only 8% of dairy cattle are outside of Java. Currently its population is 408 thousand, with an average ownership of 3-4 cows per farmer. Milk production in Indonesia is 682 thousand tons per year. This production is only sufficient for 20-25% of the total demand for milk. The demand for fresh milk increased with increasing income of the population.

The problem of dairy development in Indonesia is low milk productivity and quality. Milk quality is a very important factor in the provision of healthy milk for consumers and their processed products. Until now, Indonesia's regulations refer to the Indonesian National Standard in 2000, which set the terms of the total number of bacteria that may be present in fresh milk is 10^6 CFU/ml. The level of TPC (Total Plate Count) of milk is still high, more than 10^6 CFU/ml. The high level of TPC possible due to condition of milking management and poor hygiene during milk handling and collection, and also during transport from collection point to plant. Cooperatives have a very important role in improving the quality of milk.

Chain in Indonesia started collecting milk from farmers who bring milk to a collection point and then in check by a technician of the cooperative. The checking was conducted on the test weight of alcohol and milk. Furthermore, milk was brought to the cooperatives cooling unit. Having analyzed the quality of milk, then taken to the milk factory using tanker trucks. During the storage in the cooling unit and during transport will be changes quality.

To improve the quality needs to be done: i) improve milking management and milk handling, ii) equipped by portable milking machine, iii) improvement road infrastructure, iv) build small cooling unit in vilage, and v) milk price insentives.

Keywords: Indonesia, milk collection, milk quality, dairy cooperative.