ABSTRACT

FATWI ZANDOS. Strategy for Small Dairy Farms Development in Cisarua, Bogor. Under supervision of AKHMAD ARIF AMIN and YULI RETNANI.

Dairy farms in Indonesia have a good prospect to be developed because more than 70% of national consumers needs are fulfilled from imports. Bogor agency has opportunity to take part in dairy industries by improving dairy farms development in some regions, one of these is Cisarua. This theses describes the sustainable development strategy of small dairy farms in Cisarua. The research was conducted during December 2010 and March 2011 in Cisarua, Bogor, West Java. The informations were collected through individual interview with 28 dairy farmer households and some key informants. The data were analized and presented descriptively. Results showed that the following are possibly happen in development of small dairy farms in Cisarua: (1) decreasing natural fodder carrying capacity which is currently in very critical condition with 0.78 Carrying Capacity Index, (2) increasing of organic pollution in Kali Citeko Bawah, current value of COD (194.2 mg/l) and BOD (86.2 mg/l) are already above the quality standards stated in Government Regulation of Republic of Indonesia Number 82, Year 2001 on air quality management and water pollution control, (3) waste from dairy farms can potentially trigger a social conflict, and (4) farmers do not have bargaining power in milk selling-price as due to high dependence to Milk Processing Industry. Based on analysis of current conditions in dairy farms and expert opinion, there are several targets to be achieved in order to improve dairy farms development in Cisarua i.e. (1) increase farmers’ income; (2) create employment opportunities; (3) optimize natural resource potential; (4) increase local economic growth; (5) to raise public nutrition level; (6) to create zero waste dairy farms and; (7) make dairy cattle as an icon of Cisarua. Analytical Hierarchy Process (AHP) on experts’ choice showed that improvement in quality and quantity of milk/product (0.244), extension in capital access (0.208) and increase human resources quality (0.196) were the major strategies to achieve the targets of sustainable dairy farms in Cisarua, Bogor.

Key words: dairy farm, development, strategy, sustainable