ABSTRACT

Milk processing industry has an important and strategic role in the provision of facilities for community nutritional adequacy. However, the Indonesian milk consumption is still quite low and has achieved an average of 7-8 liters/capita/year, far lower than the consumption of milk from other ASEAN countries that have reached more than 20 liters/capita/year. Processed milk production in 2012 reached 556,000 tones (1.79 million tons of milk equivalent) with processing products, namely milk powder, sweetened condensed milk and evaporated milk (UHT/Pasteurization/ Sterilization). When this starts to grow and grow industries middle and small scale milk which generally produces milk based on the use of fresh milk production in the State. But to be able to optimally in production, milk processing industry currently has to import about 70 percent of the raw materials he needed. In the processing industry to meet the needs of breast milk for the community at an affordable price, there should be support from key sectors related to dairy cattle breeding efforts in the country. Therefore, efforts dairy cow farms in the state have received more attention intensive, so expect gradually to meet the raw material needs of the dairy industry in the state. In this research is a policy modeling a dynamic system to evaluate and provide recommendations for new policy scenarios for milk processing industry.

Keywords: Milk Processing Industry, Modeling, Dynamic Systems.