ABSTRACT

The aim of this research was to determine the effect of probiotics on increasing milk production and milk protein of dairy cattle in Gresik Randu Padangan village. Probiotics used in this research were “Isolat Probiotik Ruminant”, produced by PT. Agritech Indonesia. It was containing Lactobacillus acidophilus, Aspergillus orizae, Saccharomices cerevisiae, Bacillus subtilis, Candida pintolopesii, and bioactivator of microorganisms. Ten cows aged 6-8 years that were having four to five times for calving rate with the lactation period on the fifth until sixth month were used in this research. The probiotics with 10 ml/head/day of dosage were given for 30 days. The result showed that the probiotics increased 1.05 liter/head/day of milk production, 8.63 % of milk protein on 10th – 12th day and 6.62 % of milk protein on 28th – 30th day. Based on the result, the probiotics were recommended as feed supplement for dairy cattle.

Key words : Probiotic, milk production, milk protein, dairy cattle