Abstract

The purpose of this study was to determine the effect of silage, concentrates and Urea Mineral Molasses Block toward the crude fiber digestibility values by Rambon cattle. The experimental animals used in this study were nine male Rambon cattle with average age of 1.5 years old, with average weight of 100-200 kg in good condition. The cattle were divided into 3 groups for 3 treatments: P0, P1, P2. In adaptation phase, cattle group of P0, P1, and P2 were given silage during 7 days, and then entered to treatment stage P0 (silage feed) as control, P1 (silage feed + concentrates), P2 (silage feed + concentrates + UMMB). This research was conducted at PT. Agro Great Indoberkah which is located in Gembol Sepuh, Wonomerto, Probolinggo. The data were analyzed using one-way ANOVA and Duncan's Multiple Range Test. The results showed that the combination treatment of silage feed, concentrates, and Urea Mineral Molasses Block (UMMB) resulted a significant higher (p <0.05) of the crude fiber digestibility value, it was in the cattle group of P2 (82.101%).

Keywords: Rambon cattle, feed combining, silage, concentrates, urea molasses mineral blocks, the value of crude fiber digestibility