ABSTRACT

Performance of Male Thin-Tailed sheep Fattened with Feeding Leaf Corn Biscuit and Forage Biscuit

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Corn plant waste is one of alternative feed source that has big potential to produce various low cost and useful feed product. One of technology that can be used is pressing technology in to biscuit. Biscuit is a kind of food product that is made by heating and pressing result in flat and thin form. This experiment aimed to study performance of Thin-Tailed sheep that given leaf corn biscuit and forage feeding by testing feed consumption value, daily weight gain, feed conversion, and income over feed cost. This experiment used Randomized Complete Design with 3 treatments and 3 replications. The treatments were R1 = biscuit (100% of field grass) + concentrate, R2 = biscuit (50% of field grass + 50% of corn leaf) + concentrate, R3 = biscuit (100% of corn leaf) + concentrate. The experiment was conducted for 10 weeks with the adaptation period for 2 weeks. The variables that measured were daily weight gain, dry matter intake, and feed conversion. The variable of Income over feed cost uses descriptive analysis. The result showed that significantly affect to dry matter intake (P<0.05), while feeding did not affect to body weight gain, and feed conversion. The highest profit was found in the R3.

Keywords: biscuit, leaf corn, forage, performance, Thin-Tailed sheep