

ABSTRAK

PENGARUH PEMBERIAN MINERAL MAKRO (Ca Dan Mg) TERHADAP KECERNAAN BAHAN KERING DAN BAHAN ORGANIK RANSUM PADA DOMBA EKOR TIPIS JANTAN

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian mineral makro (Ca dan Mg) dalam ransum terhadap pencernaan bahan kering (KcBK) dan pencernaan bahan organik (KcBO) ransum pada domba ekor tipis jantan. Penelitian ini telah dilaksanakan pada September--November 2023 di Kandang dan Laboratorium Nutrisi dan Makanan Ternak, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Rancangan percobaan yang digunakan yaitu Rancangan Acak Kelompok (RAK) dengan 3 perlakuan dan 5 ulangan. Sebagai unit percobaan yaitu domba ekor tipis jantan sebanyak 15 ekor. Perlakuan yang diberikan yaitu P0 : ransum basal 100%; P1: ransum basal 100% + CaCl₂ 25,7 ml/kg ransum dan MgCl₂ 6,5 ml/kg ransum; dan P2: ransum basal 100% + Ca lysinat 25,7 ml/kg ransum dan Mg lysinat 6,5 ml/kg ransum. Parameter yang diamati yaitu pencernaan bahan kering (KcBK) dan pencernaan bahan organik (KcBO). Data yang diperoleh dianalisis menggunakan *Analysis of Variance* (ANOVA) dan dilanjutkan dengan Uji Beda Nyata Terkecil (BNT) dengan taraf 5%. Hasil penelitian yang didapatkan menunjukkan bahwa ransum basal yang diberi penambahan makro mineral (Ca dan Mg) berpengaruh tidak nyata ($P > 0,05$) terhadap nilai pencernaan bahan kering (KcBK) dan pencernaan bahan organik (KcBO) pada domba ekor tipis jantan.

Kata kunci : Domba Ekor Tipis, Pencernaan Bahan Kering, Pencernaan Bahan Organik, Mineral Ca dan Mg

ABSTARCT

THE EFFECT OF ADDITIONAL OF MACRO MINERALS (Ca and Mg) ON THE DIGESTIBILITY OF DRY MATTER AND INGREDIENTS ORGANIC DIET IN MALE THIN-TAILED SHEEP

By

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This study aims to determine the effect of providing macro minerals (Ca and Mg) in the ration on dry matter digestibility (DMD) and organic matter digestibility (OMD) in male thin-tailed sheep. This research was carried out in September--November 2023 in the Animal Feed and Nutrition Cages and Laboratory, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung. The experimental design used was a Randomized Block Design with 3 treatments and 5 replications. As experimental units, there were 15 male thin-tailed sheep. The treatments given were P0: 100% basal ration; P1: 100% basal diet + CaCl₂ 25.7 ml/kg diet and MgCl₂ 6.5 ml/kg diet; and P2: 100% basal diet + Ca lysinate 25.7 ml/kg diet and Mg lysinate 6.5 ml/kg diet. The parameters observed were dry matter digestibility (DMD) and organic matter digestibility (OMD). The data obtained was analyzed using Analysis of Variance (ANOVA), and would be continued with the Least Significant Difference Test (LSD) with a level of 5%. The research results obtained showed that the basal diet supplemented with macro minerals (Ca and Mg) had no significant effect ($P>0.05$) on dry matter digestibility (DMD) and organic matter digestibility (OMD) in male thin-tailed sheep.

Keywords: Thin Tail Sheep, Dry Matter Digestibility, Organic Matter Digestibility, Minerals Ca and Mg