

ABSTRAK

PENGARUH PENAMBAHAN *SOYBEAN MEAL* (SBM) DAN MINERAL ORGANIK (Zn DAN Cr) TERHADAP KECERNAAN BAHAN KERING DAN BAHAN ORGANIK PADA KAMBING RAMBON

oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian *soybean meal* (SBM) dan mineral organik (Zn dan Cr) dalam ransum terhadap pencernaan bahan kering (KcBK) dan bahan organik (KcBO) pada kambing rambon jantan. Penelitian ini telah dilaksanakan pada November—Januari 2022 di kandang dan di Laboratorium Nutrisi dan Makanan Ternak, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Rancangan percobaan yang digunakan yaitu Rancangan Acak Kelompok (RAK) dengan 4 perlakuan dan 3 ulangan. Sebagai unit percobaan yaitu kambing rambon jantan sebanyak 12 ekor. Perlakuan yang diberikan adalah P1: ransum basal 100% (silase daun singkong, onggok, bungkil sawit dan urea); P2: ransum basal 90% + *soybean meal* (SBM) 10%; P3: ransum basal 100% + mineral organik (40 ppm Zn dan 0,3 ppm Cr); P4: ransum basal 90% + *soybean meal* (SBM) 10% + mineral organik (40 ppm Zn dan 0,3 ppm Cr). Parameter yang diamati adalah pencernaan bahan kering dan pencernaan bahan organik. Hasil penelitian menunjukkan bahwa ransum basal yang diberi perlakuan penambahan *soybean meal* (SBM) dan mineral organik (Zn dan Cr) tergolong baik untuk meningkatkan nilai pencernaan bahan kering (KcBK) dan pencernaan bahan organik (KcBO).

Kata kunci: Kambing Rambon, pencernaan bahan kering, pencernaan bahan organik, mineral organik (Zn dan Cr), *soybean meal* (SBM)

ABSTRACT

EFFECT OF ADDITIONAL *SOYBEAN MEAL* (SBM) AND ORGANIC MINERALS (Zn AND Cr) ON THE DRY MATTER AND ORGANIC MATTER DIGESTIBILITY IN RAMBON GOATS

by

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This study aims to determine the effect of giving soybean meal (SBM) and organic minerals (Zn and Cr) in rations on the digestibility of dry matter and organic matter in male rambon goats. This research started from November 2022 to January 2023 in stables and at the Animal Feed and Nutrition Laboratory, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung. The experimental design used was a randomized block design (RBD) with 4 treatments and 3 replications. As the experimental unit, there were 12 male rambon goats. The treatment given was P1: 100% basal ration (silage of cassava leaves, cassava, palm oil cake and urea); P2: 90% basal ration + 10% soybean meal (SBM); P3: 100% basal ration + organic minerals (40 ppm Zn and 0.3 ppm Cr); P4: 90% basal ration + 10% soybean meal (SBM) + organic minerals (40 ppm Zn and 0.3 ppm Cr). The variables were measured consist of dry matter digestibility and organic matter digestibility. The results showed that the basal ration treated with the addition of soybean meal (SBM) and organic minerals (Zn and Cr) was good for increasing the digestibility of dry matter and digestibility of organic matter.

Keywords: rambon goats, digestibility of dry matter, digestibility of organic matter, organic minerals (Zn dan Cr), *soybean meal* (SBM)