

## ABSTRAK

### PENGARUH PENAMBAHAN *SOYBEAN MEAL* (SBM) DAN MINERAL ORGANIK (Zn dan Cr) DALAM RANSUM TERHADAP KECERNAAN NDF DAN ADF PADA KAMBING RAMBON JANTAN

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Penelitian ini bertujuan untuk mengetahui pengaruh penambahan *soybean meal* dan mineral organik (Zn dan Cr) untuk mengetahui pemberian terbaik terhadap terhadap pencernaan NDF dan ADF pada kambing rambon jantan. Penelitian ini dilaksanakan Desember 2022--Januari 2023 di Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung, Bandar Lampung. Penelitian ini dilakukan menggunakan Rancangan Acak Kelompok (RAK) dengan 4 perlakuan dan 3 kelompok, dengan menggunakan 12 kambing rambon jantan. Perlakuannya adalah P1; ransum basal 100%, P2; 90% ransum basal + 10% *soybean meal*, dan P3; 100% ransum basal + mineral organik (Zn 40 ppm dan Cr 0,3 ppm), P4; 90% ransum basal + 10% *soybean meal* + mineral organik (Zn 40 ppm dan Cr 0,3 ppm). Hasil dari penelitian ini menunjukkan Pemberian ransum basal yang diberi perlakuan penambahan *soybean meal* (SBM) dan mineral organik (Zn dan Cr) pada kambing rambon jantan berpengaruh tidak nyata ( $P > 0,05$ ) terhadap nilai pencernaan *Neutral Detergent Fiber* (NDF) dan pencernaan *Acid Detergent Fiber* (ADF).

**Kata kunci:** Kambing rambon jantan, NDF, ADF, *Soybean meal*, dan Mineral Organik (Zn dan Cr)

## ABSTRAK

### EFFECT OF ADDITION OF *SOYBEAN MEAL* (SBM) AND ORGANIC MINERALS (Zn and Cr) IN RANSUM ON NDF AND ADF ABILITY IN MALE RAMBON GOATS

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This research aims to determine the effect of the addition of soybean meal and organic minerals (Zn and Cr) to determine the best provision on the digestibility of NDF and ADF in male rambon goats. This research was conducted in December 2022-January 2023 at the Department of Animal Husbandry, Faculty of Agriculture, University of Lampung, Bandar Lampung. This study was conducted using a Randomized Group Design (RGD) with 4 treatments and 3 groups, using 12 male rambon goats. The treatments were P1; 100% basal ration, P2; 90% basal ration + 10% soybean meal, and P3; 100% basal ration + organic minerals (Zn 40 ppm and Cr 0.3 ppm), P4; 90% basal ration + 10% soybean meal + organic minerals (Zn 40 ppm and Cr 0.3 ppm). The results of this research showed that the provision of basal rations treated with the addition of soybean meal (SBM) and organic minerals (Zn and Cr) in male rambon goats had no significant effect ( $P > 0.05$ ) on the value of *Neutral Detergent Fiber* (NDF) digestibility and *Acid Detergent Fiber* digestibility (ADF).

**Kata kunci:** Male rambon goats, NDF, ADF, Soybean meal, and Organic Minerals (Zn and Cr).