ABSTRAK

PENGARUH PENAMBAHAN *SOYBEAN MEAL* (SBM) DAN MINERAL ORGANIK (Zn dan Cr) TERHADAP PERTAMBAHAN BOBOT BADAN, KONSUMSI, EFISIENSI RANSUM, DAN IOFC PADA KAMBING RAMBON JANTAN

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh penambahan *soybean meal* dan mineral organik (Zn dan Cr) terhadap terhadap pertambahan bobot badan harian, konsumsi ransum, dan efisiensi ramsum pada kambing rambon jantan. Penelitian ini dilaksanakan November 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% rasum 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 penelitian pada konsumsi ransum sebesar (P1 1.736,4; P2 1.552,2; P3 1.573,2; dan P4 1.717,2) gram/hari, pada pertambahan bobot badan harian sebesar (P1 66,7; P2 60,0; P3 62,2 dan P4 117,8) gram/hari, pada efisiensi ransum sebesar (P1 4,0%; P2 3,7%; P3 4,0% dan P4 6,9%), dan pada IOFC sebesar (P1 Rp.62.794,05; P2 Rp.9.494,06; P3 Rp.44.830,58 dan P4 Rp.130.671,61). Pemberian ransum basal pada perlakuan P1 memberikan pengaruh terbaik pada konsumsi ransum, dan perlakuan P4 memberikan pengaruh terbaik terhadap pertambahan bobot badan harian, efisiensi ransum dan IOFC.

Kata kunci: Kambing rambon jantan, PBB, Konsumsi, Efisiensi, IOFC, *Soybean meal*, dan Mineral Organik (Zn dan Cr)

ABSTRACT

EFFECT OF SOYBEAN MEAL AND ORGANIC MINERALS (Zn and Cr) ADDITION ON BODY WEIGHT GAIN, CONSUMPTION, EFFICIENCY OF RANSUM AND IOFC IN MEAL RAMBON GOATS

By

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This research aims to determine the effect of the addition of soybean meal and organic minerals (Zn and Cr) on daily body weight gain, ration consumption, and ration efficiency in male rambon goats. This research was conducted November 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 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 research results on ration consumption amounted to (P1 1.736,4; P2 1.552,2; P3 1.573,2; and P4 1.717,2) grams/day, on daily weight gain amounted to (P1 66,7; P2 60,0; P3 62,2 and P4 117,8) grams/day, on ration efficiency amounted to (P1 4,0%; P2 3,7%; P3 4,0% and P4 6,9%), and on IOFC amounted to (P1 Rp.62.794,05; P2 Rp.9.494,06; P3 Rp.44.830,58 and P4 Rp.130.671,61). Giving basal ration in P1 treatment gave the best effect on ration consumption and P4 treatment gave the best effect on daily body weight gain, ration efficiency and IOFC.

Keywords: Male rambon goats, PBB, Consumption, Efficiency, IOFC, Soybean meal, and Organic Minerals (Zn and Cr)