

ABSTRAK

PENGARUH SUPLEMENTASI SBM DAN MINERAL MIKRO ORGANIK (Zn dan Cr) TERHADAP RESPONS FISIOLOGIS KAMBING RAMBON

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Penelitian ini bertujuan untuk mengetahui pengaruh suplementasi SBM dan mineral mikro organik Zn dan Cr terhadap respons fisiologis kambing Rambon dan mengetahui perlakuan yang terbaik dalam ransum terhadap respons fisiologis kambing Rambon. Penelitian dilaksanakan di kandang Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung pada November 2022 sampai dengan Desember 2022. Percobaan dilakukan pada 12 ekor kambing Rambon jantan, dengan Rancangan Acak Kelompok (RAK) yang terdiri dari 4 perlakuan dan 3 ulangan, kelompok dibagi berdasarkan bobot tubuh. Perlakuan pada penelitian ini yaitu P1: ransum basal (silase daun singkong, onggok, bungkil sawit, dan urea 35 g), P2: ransum basal 90%+SBM 10%, P3: ransum basal 100%+MO (40 ppm Zn+0,3 ppm Cr), P4: Ransum basal 90%+SBM 10%+MO (40 ppm Zn+0,3 ppm Cr). Data yang diperoleh dianalisis dengan *Analysis of Variance* (ANOVA) taraf nyata 5%. Peubah yang diamati adalah frekuensi respirasi, denyut jantung dan suhu rektal kambing Rambon. Pemberian ransum dengan SBM dan mineral mikro organik Zn dan Cr menunjukkan hasil berpengaruh tidak nyata ($P>0,05$) terhadap respons fisiologis kambing Rambon. Berdasarkan penelitian yang telah dilakukan dapat disimpulkan bahwa suplementasi SBM dan mineral mikro organik Zn dan Cr dalam ransum basal tidak berpengaruh terhadap frekuensi respirasi, denyut jantung, dan suhu rektal kambing Rambon.

Kata kunci: Ransum, SBM, Mineral Zn dan Cr, Fisiologis, Kambing Rambon

ABSTRACT

THE EFFECT OF SUPPLEMENTATION OF SBM AND MICRO MINERALS ORGANIC (Zn and Cr) ON PHYSIOLOGICAL RESPONSE RAMBON GOAT

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This study aims to determine the effect of SBM supplementation and micro-organic minerals Zn and Cr on the physiological response of Rambon goats and to determine the best treatment in the ration for the physiological response of Rambon goats. The study was conducted in the stables of the Department of Animal Husbandry, Faculty of Agriculture, University of Lampung from November 2022 to December 2022. The experiment was conducted on 12 male Rambon goats, using a Randomized Block Design (RAK) consisting of 4 treatments and 3 replications, groups divided based on body weight. The treatment in this study was P1: basal ration (silage of cassava leaves, cassava leaves, palm oil cake, and 35 g urea), P2: 90%+SBM 10% basal ration, P3: 100%+MO basal ration (40 ppm Zn+0,3 ppm Cr), P4: Basal ration 90%+SBM 10%+MO (40 ppm Zn+0,3 ppm Cr). The data obtained were analyzed by calculating the average for each treatment to determine the effect of the best type of ration on each parameter and data analysis using Analysis of Variance (ANOVA) with a significant level of 5%. The observed variables were respiration frequency, heart rate and rectal temperature of Rambon goats. Feeding with SBM and micro organic minerals Zn and Cr showed no significant effect ($P>0.05$) on the physiological response of Rambon goats. Based on the research that has been done, it can be concluded that supplementation of SBM and micro-organic minerals Zn and Cr in the basal ration has no effect on respiration frequency, heart rate, and rectal temperature of Rambon goats.

Keywords: Ration, SBM, Zn and Cr Minerals, Physiology, Rambon Goat