

## ABSTRAK

### PERBANDINGAN SUPLEMENTASI MINERAL Ca ORGANIK DAN Mg ORGANIK DENGAN Ca SABUN DAN Mg SABUN DALAM RANSUM TERHADAP PERTAMBAHAN BOBOT TUBUH, KONSUMSI RANSUM, DAN EFISIENSI RANSUM PADA KAMBING RAMBON

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Penelitian ini bertujuan untuk mengetahui perlakuan terbaik dari perbandingan suplementasi mineral organik dengan mineral organik sabun dalam ransum terhadap pertambahan bobot tubuh, konsumsi ransum, dan efisiensi ransum. Penelitian ini dilaksanakan pada Februari--Maret 2023 yang berlokasi di Kandang Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Penelitian ini dilakukan menggunakan Rancangan Acak Kelompok (RAK) terdiri dari 3 perlakuan dan 4 ulangan, dengan menggunakan 12 ekor kambing rambon jantan. Perlakuan yang digunakan yaitu P1: ransum basal (onggok, silase daun singkong, bungkil sawit, dan dedak padi), P2: ransum basal + mineral organik (Ca dan Mg), dan P3: ransum basal + mineral organik sabun (Ca dan Mg). Data yang diperoleh dianalisis dengan menggunakan Analisis Sidik Ragam (ANOVA). Hasil penelitian pada pertambahan bobot tubuh sebesar (P1=2,38; P2=3,38; dan P3=2,63) kg/40 hari, pada konsumsi ransum pada masing-masing perlakuan (P1=1230,63; P2=1214,89; dan P3=1145,09) g/hari, kemudian pada efisiensi ransum sebesar (P1=4,25%; P2=6,18%; dan P3=5,05%). Disimpulkan suplementasi mineral organik (Ca dan Mg) pada perlakuan P2 memberikan pengaruh terbaik terhadap pertambahan bobot tubuh, konsumsi ransum, dan efisiensi ransum dibandingkan mineral sabun (Ca dan Mg) pada perlakuan P3.

**Kata Kunci:** Efisiensi, Kambing Rambon, Konsumsi, Mineral Organik, Mineral Sabun, Pertambahan bobot tubuh.

## ABSTRACT

### COMPARISON OF SUPPLEMENTATION OF ORGANIC Ca AND ORGANIC Mg MINERALS WITH SOAP Ca AND SOAP Mg IN RATIONS ON BODY WEIGHT GAIN, CONSUMPTION RATION, AND EFFICIENCY RATION IN RAMBON GOATS

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This study aims to determine the best treatment of the comparison of organic mineral supplementation with organic mineral soap in the ration on body weight gain, ration consumption, and ration efficiency. This research was conducted in February-March 2023 at the Animal Husbandry Department Stables, Faculty of Agriculture, University of Lampung. This research was conducted using a Randomized Group Design (RGD) consisting of 3 treatments and 4 replications, using 12 male rambon goats. The treatments used were P1: basal ration (onggok, cassava leaf silage, palm kernel cake, and rice bran), P2: basal ration + organic minerals (Ca and Mg), and P3: basal ration + soap organic minerals (Ca and Mg). The data obtained were analyzed using Analysis of Variance (ANOVA). The results of the study on body weight gain amounted to (P1=2,38; P2=3,38; and P3=2,63) kg/40 days, on ration consumption in each treatment (P1=1230,63; P2=1214,89; and P3=1145,09) g/day, then on ration efficiency of (P1=4,25%; P2=6,18%; and P3=5,05%). It was concluded that supplementation of organic minerals (Ca and Mg) in the P2 treatment gave the best effect on body weight gain, ration consumption, and ration efficiency compared to soap minerals (Ca and Mg) in the P3 treatment.

**Keywords:** Body weight gain, consumption, efficiency, organic minerals, Rambon goats, Soap minerals.