

ABSTRAK

PENGARUH SUPLEMENTASI *SOYBEAN MEAL* (SBM) TERHADAP KADAR PROTEIN, LEMAK, DAN LAKTOSA PADA SUSU KAMBING SAPERA

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh suplementasi SBM terhadap kadar protein, lemak, dan laktosa pada susu kambing Sapera. Penelitian ini dilaksanakan pada bulan Juli sampai dengan Agustus 2021 dan bertempat di Peternakan Bapak Setiono Heri Winarko, Kelurahan Yosodadi, Kecamatan Metro Timur, Kota Metro. Rancangan yang digunakan berupa 4 perlakuan dan 3 ulangan sehingga membutuhkan 12 satuan sampel. Sampel yang digunakan yaitu 12 ekor kambing Sapera yang sedang laktasi yang dikelompokkan berdasarkan bobot badan. Pengujian sampel susu menggunakan *Lactoscan milk analyzer* untuk menganalisis kadar protein, kadar lemak, dan kadar laktosa. Data hasil pengujian dilakukan analisis of variant dan dilanjutkan dengan uji Polinomial Ortogonal. Hasil analisis of variant menunjukkan bahwa suplementasi SBM tidak berpengaruh nyata ($P>0,05$).

Kata Kunci : Kambing Sapera, SBM, Susu kambing.

ABSTRACT

THE EFFECT OF SUPPLEMENTATION SOYBEAN MEAL (SBM) ON PROTEIN, FAT, AND LACTOSE LEVELS IN GOAT'S MILK

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This study aims to determine the effect of SBM supplementation on protein, fat, and lactose levels in Sapera goat milk. This research was conducted from July to August 2021 and took place at the Ranch of Mr. Setiono Heri Winarko, Yosodadi Village, East Metro District, Metro City. The design used in the form of 4 treatments and 3 replications so it requires 12 sample units. The samples used were 12 Sapera goats that were lactating which were grouped based on body weight. Milk samples were tested using lactoscan to analyze protein content, fat content, and lactose content. The data from the test results were analyzed of variant and continued with the Orthogonal Polynomial test. The results of the analysis of variants showed that SBM supplementation had no significant effect ($P>0.05$).

Keywords: Goat's Milk, Sapera Goat, SBM.