

## **KONSUMSI DAN KECERNAAN NUTRIEN KAMBING SAANEN FASE LAKTASI DAN NON-LAKTASI DENGAN KONSENTRAT SUMBER PROTEIN**

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### **INTISARI**

Produktivitas ternak dapat maksimal apabila kebutuhan nutrisi untuk hidup pokok dan produksi dapat tercukupi. Ketersediaan nutrisi bagi ternak dapat diketahui dengan cara mengukur tingkat konsumsi dan pencernaan pakan. Penelitian ini bertujuan untuk mengetahui tingkat konsumsi dan pencernaan nutrisi pada kambing Saanen fase laktasi dan fase non-laktasi dengan perlakuan pemberian konsentrat sumber protein. Penelitian menggunakan 5 ekor kambing Saanen fase laktasi berumur 2-3 tahun dengan rata-rata berat badan  $36,89 \pm 4,87$  kg serta 5 ekor kambing Saanen fase non-laktasi berumur 2-3 tahun dengan rata-rata berat badan  $42,98 \pm 2,86$  kg. Perlakuan pada penelitian ini terbagi menjadi 2 kelompok yaitu Kambing Saanen fase laktasi (P1) dan kambing Saanen fase non-laktasi (P2) dengan penggunaan pakan yang sama. Penelitian berfokus pada pengamatan konsumsi nutrisi, koefisien cerna nutrisi, dan nutrisi tercerna menggunakan metode *in vivo*. Analisis sampel menggunakan metode analisis proksimat dan data yang diperoleh dilakukan analisis statistik menggunakan *Independent sample T-test* dengan bantuan *software Statistical Product and Service Solution (SPSS)*. Hasil penelitian menunjukkan bahwa kambing Saanen fase laktasi dan non-laktasi memiliki konsumsi nutrisi yang berbeda secara nyata ( $P < 0,05$ ), koefisien cerna nutrisi tidak berbeda secara nyata ( $P > 0,05$ ), dan nutrisi tercerna meliputi BK, BO, PK, LK, BETN berbeda secara nyata ( $P < 0,05$ ).

Kata kunci: Kambing Saanen, fase laktasi dan non-laktasi, konsumsi nutrisi, pencernaan nutrisi

## **CONSUMPTION AND NUTRIENT DIGESTIBILITY OF LACTATING AND NON LACTATING SAANEN GOATS WITH CONCENTRATES PROTEIN SOURCE**

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### **ABSTRACT**

Livestock productivity can be maximised if nutrient needs for basic life and production can be fulfilled, the availability of nutrients for livestock can be known by measuring the level of consumption and digestibility of feed. This study aims to determine the level of consumption and digestibility of nutrients in Saanen goats in lactation phase and non-lactation phase with the treatment of concentrates protein source. The study used 5 Saanen goats in the lactation phase aged 2-3 years with an average body weight of  $36.89 \pm 4.87$  kg and 5 Saanen goats in the non-lactation phase aged 2-3 years with an average body weight of  $42.98 \pm 2.86$  kg. The treatment in this study was divided into 2 groups, namely lactation phase Saanen goats (P1) and non-lactation phase Saanen goats (P2) with the use of the same feed. The study focused on observing nutrient consumption, nutrient digestibility coefficient, and digested nutrients using the in vivo method. The sample analysis used proximate analysis method and the data obtained were statistically analysed using Independent sample T-test with the help of Statistical Product and Service Solution (SPSS) software. The results showed that lactating and non-lactating Saanen goats had significantly different nutrient consumption ( $P < 0.05$ ), nutrient digestibility coefficient was not significantly different ( $P > 0.05$ ), and digested nutrients including BK, BO, PK, LK, BETN were significantly different ( $P < 0.05$ ).

Key word: Saanen goat, lactating and non lactating, feed intake, nutrient digestibility