

**KORELASI ANTARA UMUR, BOBOT BADAN, DAN *LITTER SIZE*
TERHADAP PRODUKSI SUSU KAMBING SAPERA
DI CV. BHUMI NARARYA FARM**

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INTISARI^{*)}

Penelitian ini bertujuan untuk mengetahui korelasi antara umur, bobot badan, dan *litter size* terhadap produksi susu kambing Sapera di CV Bhumi Nararya Farm Yogyakarta. Penelitian dilaksanakan di CV. Bhumi Nararya Farm Yogyakarta pada tanggal 25 April – 5 Juni 2021. Materi penelitian yang digunakan yaitu kambing Sapera laktasi 60 ekor yang di kelompokkan umur 2, 3, 4, dan 5 tahun. Penelitian ini menggunakan metode *observasi* terhadap kambing Sapera laktasi di CV. Bhumi Nararya Farm Yogyakarta dengan desain penelitian Deskriptif analitik kolerasional yang bertujuan mengungkapkan hubungan koleratif antar variabel. Data yang diperoleh ditabulasi dan dirata-rata kemudian dianalisis secara deskriptif, regresi linier sederhana dan regresi linier berganda. Hasil penelitian ini menunjukkan bahwa bobot badan indukan kambing Sapera umur 2 taun yaitu 55,22±12,26 kg, 3 tahun 60,13±11,59 kg, 4 tahun 63,08±16,43 kg dan 5 tahun 68,14±12,64 kg. *litter size* umur 2 tahun yaitu 1,67±0,47 ekor, 3 tahun 1,80±0,68 ekor, 4 tahun 1,67±0,60 ekor dan 5 tahun 2,00±0,63 ekor. Produksi susu umur 2 taun yaitu 1844,44±286,66 ml, 3 tahun 1976,67±275,60 ml, 4 tahun 2086,67±260,14 ml dan 5 tahun 2112,22±253,38 ml. Disimpulkan bahwa secara keseluruhan umur, bobot badan dan *litter size* memiliki korelasi yang kuat dengan produksi susu kambing Sapera. Dengan nilai $r = 0,633$ dan $R^2 = 0,400$, nilai signifikansi umur 0,15 bobot badan 0,00 dan *litter size* 0,23.

Kata kunci: Kambing Sapera, Umur, Bobot badan, *Litter size*, Produksi susu

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**CORRELATION BETWEEN AGE, BODY WEIGHT, AND LITTER SIZE
ON THE MILK PRODUCTION OF SAPERA GOAT
IN CV. BHUMI NARARYA FARM**

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ABSTRACT*)

This study aimed to determine the correlation between age, body weight, and litter size on the milk production of Sapera goats at CV Bhumi Nararya Farm Yogyakarta. The research was carried out in CV. Bhumi Nararya Farm Yogyakarta on April 25th – June 5th 2021. The research material used was 60 lactation Sapera goats which were grouped at 2, 3, 4, and 5 years old. This study used the observation method of lactating Sapera goat in CV. Bhumi Nararya Farm Yogyakarta with a descriptive collerational analytic descriptive research design that aimed to reveal colerative relationships between variables. The data obtained are tabulated and averaged then analyzed descriptively, simple linear regression and multiple linear regression. The result of this study showed that the body weight of Sapera goat at 2 years old was 55.22 ± 12.26 kg, 3 years old 60.13 ± 11.59 kg, 4 years old 63.08 ± 16.43 kg and 5 years old 68.14 ± 12.64 kg. litter size aged 2 years old is 1.67 ± 0.47 heads, 3 years old 1.80 ± 0.68 heads, 4 years old 1.67 ± 0.60 heads and 5 years old 2.00 ± 0.63 heads. Milk production at the age of 2 years old was 1844.44 ± 286.66 ml, 3 years old 1976.67 ± 275.60 ml, 4 years old 2086.67 ± 260.14 ml and 5 years old 2112.22 ± 253.38 ml. It was concluded that overall age, body weight and litter size had a strong correlation with the milk production of Sapera goat. With a value of $r = 0.633$ and $R^2 = 0.400$, the significance value of age is 0.15, body weight is 0.00 and litter size is 0.23.

Keywords: Sapera Goat, Age, Body Weight, Liter Size, Milk Production

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