

**HUBUNGAN ANTARA KONSUMSI PAKAN DENGAN PRODUKSI DAN
KUALITAS SUSU KAMBING SAPERA
DI CV. BHUMI NARARYA FARM**

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INTISARI*)

Tujuan penelitian ini adalah mengetahui hubungan antara konsumsi pakan terhadap produksi dan kualitas susu kambing Sapera di CV. Bhumi Nararya Farm Yogyakarta. Penelitian ini menggunakan 200 ekor indukan kambing Sapera yang laktasi (terdiri dari 12 pen/kelompok, rata-rata berat badan 59,928 kg). Pengujian dilakukan dengan menggunakan regresi linier berganda untuk menguji korelasi antara konsumsi nutrisi Bahan Kering dan Protein Kasar terhadap produksi susu dan kualitas susu meliputi; Berat Jenis, dan Total Solid. Variabel yang diamati adalah konsumsi pakan, produksi susu, dan kualitas susu yang meliputi: Berat Jenis dan Total Solid. Hasil penelitian ini menunjukkan bahwa konsumsi BK 1,972 kg/ekor/hari kurang dari kebutuhan 2,479kg. Konsumsi PK 0,667kg lebih dari kebutuhan 0,335kg. Produksi susu dengan rata-rata 1,246 liter/ekor/hari. Disimpulkan terdapat hubungan yang erat antara konsumsi BK dan PK terhadap produksi susu, namun tidak dengan Berat Jenis dan Total Solid dengan persamaan regresi produksi susu $Y=1.772+ 0.182X1 -1.325X2$, BJ $Y= 26.445 + 0.286X1 - 1.485X2$, dan TS $Y=14.174 +0,728 X1- 3.894X2$ di CV. Bhumi Nararya Farm.

Kata kunci: konsumsi BK dan PK, produksi susu, berat jenis, total solid, Kambing Sapera.

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**RELATIONSHIP BETWEEN FEED CONSUMPTION ON PRODUCTION
AND QUALITY OF SAPERA GOAT MILK
IN CV. BHUMI NARARYA FARM**

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ABSTRACT*)

The purpose of this study was to determine the relationship between feed consumption on the production and quality of Sapera goat milk in CV. Bhumi Nararya Farm Yogyakarta. This study used 200 does of lactating Sapera does (consisting of 12 pens/group, average body weight 59,928 kg). Tests were carried out using multiple linear regression to test the correlation between nutrient consumption of dry matter and crude protein on milk production and milk quality including Specific Gravity and Total Solid. Variable observed were consumption of feed for milk production, milk quality included: Specific Gravity and Total Solid. The results of this study indicated that the dry matter consumption of 1,972 kg/head/day was less than the requirement of 2,479. Crude protein consumption of 0.667 was more than the need of 0.335. Milk production with an average of 1,246 liters/head/day. It was concluded that there was a close relationship between dry matter and Crude protein consumption on milk production, but not with specific gravity and total solid with the regression equation for milk production $Y=1.772+ 0.182X_1 -1.325X_2$, BJ $Y= 26,445 + 0.286X_1 - 1.485X_2$, and TS $Y=14,174 +0, 728 X_1- 3,894X_2$ in CV. Bhumi Nararya Farm.

Keywords: consumption of DM and CP, the production of milk, Specific gravity, total solid, Sapera Goat.

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