

## **PENAMPILAN PRODUKSI KAMBING SAPERA DI DATARAN TINGGI KECAMATAN TURI, SLEMAN, YOGYAKARTA**

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### **INTISARI**

Penelitian ini bertujuan untuk mengetahui penampilan produksi kambing Sapera di dataran tinggi Yogyakarta. Penelitian ini menggunakan 30 ekor induk kambing Sapera laktasi. Penelitian ini dilaksanakan pada bulan Oktober 2022 sampai Maret 2023. Penelitian ini menggunakan 30 ekor kambing Sapera laktasi. Metode yang digunakan adalah pengambilan data di lapangan dan pengujian sampel di laboratorium. Pakan yang diberikan berupa kulit kacang hijau, kulit singkong, hijauan, dan konsentrat. Variabel yang diamati adalah penampilan produksi ternak, konsumsi nutrien, dan penampilan reproduksi. Data yang diperoleh ditabulasi kemudian dihitung rata-ratanya dan dianalisis secara deskriptif. Kondisi lingkungan pada saat pengamatan selama penelitian didapatkan hasil pada pukul 08:00 memiliki temperatur  $24,40 \pm 1,10^{\circ}\text{C}$  dengan kelembaban  $64,97 \pm 2,93\%$ ; pada pukul 12:00 memiliki temperatur  $25,99 \pm 1,96^{\circ}\text{C}$  dengan kelembaban  $61,26 \pm 5,76\%$ , dan pada pukul 16:00 memiliki temperatur  $23,51 \pm 1,21^{\circ}\text{C}$  dengan kelembaban  $67,26 \pm 2,86\%$ . *Thermal Humidity Index* diperoleh hasil pada pukul 08:00 sebesar  $22,69 \pm 1,00$ , pada pukul 12:00 sebesar  $23,95 \pm 1,52$ , dan pada pukul 16:00 sebesar  $21,97 \pm 1,08$ . Nilai *heat tolerance coefficient* diperoleh hasil pada 07:00 sebesar  $1,95 \pm 0,18$  dan pada 12:00 memiliki nilai HTC  $2,44 \pm 0,32$ . Hasil penelitian menunjukkan rata-rata bobot badan kambing Sapera  $48,06 \pm 7,04$  kg, panjang badan  $65,47 \pm 4,41$  cm, lingkar dada  $88,93 \pm 4,43$  cm, umur  $3,84 \pm 1,14$  tahun, produksi susu  $1,92 \pm 0,96$  liter/hari, dan masa laktasi  $5,69 \pm 4,11$  bulan. Konsumsi BK sebesar 2663,94 g/ekor/hari, konsumsi PK sebesar 256,77 g BK/ekor/hari, konsumsi TDN sebesar 1403,99 g BK/ekor/hari, dan konsumsi SK sebesar 712,96 g BK/ekor/hari. Penampilan reproduksi dari ternak diperoleh hasil masa *days open*  $254,64 \pm 105,40$  hari, *litter size*  $1,67 \pm 0,61$  ekor, lama bunting  $5,08 \pm 0,08$  bulan, dan *kidding interval*  $13,3 \pm 3,45$  bulan. Kesimpulan yang dapat diambil yaitu kambing Sapera memiliki penampilan produksi ternak yang baik dan sesuai untuk dikembangkan di dataran tinggi Yogyakarta.

Kata kunci : Kambing Sapera, Dataran tinggi Yogyakarta, Penampilan produksi.

## **PERFORMANCE OF THE PRODUCTION OF SAPERA GOATS IN THE HIGHLAND OF TURI DISTRICT, SLEMAN, YOGYAKARTA**

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### **ABSTRACT**

This research was conducted to know the production performance of Sapera goats in the highlands of Yogyakarta. This study used 30 lactating Sapera goats. This research was conducted from October 2022 to March 2023. This study used 30 lactating Sapera goats. The method used is data collection in the field and sample testing in the laboratory. The feed given is in the form of green bean skins, cassava skins, forages, and concentrates. The variables observed were livestock production performance, feed consumption, and reproductive performance. The data obtained was tabulated, and then the average was calculated and analyzed descriptively. The environmental conditions at the time of observation during the study showed that at 08:00, it had a temperature of  $24.40 \pm 1,10^{\circ}\text{C}$  with humidity of  $64.97 \pm 2,93\%$ ; at 12.00, it had a temperature of  $25,99 \pm 1,96^{\circ}\text{C}$  with humidity of  $61,26 \pm 5,76\%$ , and at 16:00 it has a temperature of  $23,51 \pm 1,21^{\circ}\text{C}$  with humidity of  $67,26 \pm 2,86\%$ . THI obtained results at 08:00 at  $22,69 \pm 1,00$  at 12:00 at  $23,95 \pm 1,52$ , and at 12:00 at  $21,97 \pm 1,08$ . The heat tolerance coefficient value obtained at 07:00 was  $1.95 \pm 0.18$  and at 12:00 it had an HTC value of  $2.44 \pm 0.32$ . The results showed that the average body weight of Sapera goats was  $48,06 \pm 7.04$  kg, body length  $65,47 \pm 4,41$  cm, chest circumference  $88,93 \pm 4,43$  cm, age  $3.84 \pm 1,14$  years, milk production  $1.92 \pm 0,96$  liters/day, and the lactation period is  $5,69 \pm 4.11$  months. BK consumption was 2663.94 g/head/day, PK consumption was 256.77 g head/head/day, TDN consumption was 1403.99 g head/head/day, and SK consumption was 712.96 g head/head/day. The reproductive performance of the livestock was obtained from days open  $254,64 \pm 105,40$  days, litter size  $1,67 \pm 0.61$ , gestation period  $5,08 \pm 0.08$  months, and kidding interval  $13.3 \pm 3.45$  months. Conclusion Sapera goats have good livestock production performances and are suitable for breeding in the highlands of Yogyakarta.

**Keywords:** Sapera Goat, Yogyakarta Highlands, Production Performance.