

INTISARI

PENGARUH *BREED* TERHADAP *LITTER SIZE* PADA KAMBING DI BHUMI NARARYA FARM, SLEMAN, YOGYAKARTA

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Litter size (LS) adalah jumlah anak yang dilahirkan dalam satu kali masa kelahiran. Penelitian ini dilakukan untuk mengetahui pengaruh *breed* terhadap LS pada kambing di Bhumi Nararya Farm, Kemirikebo, Girikerto, Turi, Sleman, Yogyakarta. Penelitian dilakukan dengan mengumpulkan data LS kambing indukan usia satu hingga empat tahun dari berbagai *breed*. Pengambilan sampel dilakukan dengan metode proporsi (*proportionate random sampling*), sehingga dari 144 total data LS induk kambing diperoleh 103 data yang terdiri dari 15 kelahiran kambing Jawa, 34 kelahiran kambing PE ras Senduro, 13 kelahiran kambing PE ras Kaligesing, 4 kelahiran kambing Saanen, 30 kelahiran kambing Bligon, dan 7 kelahiran kambing Boer. Data LS kemudian diolah dengan metode analisa variansi (ANOVA) satu arah pada program SPSS 16.0. Hasil analisis data menunjukkan bahwa rata-rata LS kambing Jawa $1,73 \pm 0,59$; kambing PE ras Senduro $1,35 \pm 0,48$; kambing PE $1,46 \pm 0,52$; kambing Saanen $1,50 \pm 0,58$; kambing Bligon $1,47 \pm 0,51$; dan kambing Boer $1,43 \pm 0,53$. Hasil ANOVA menunjukkan hasil 0,91 ($P > 0,05$) sehingga jenis kambing tidak berpengaruh secara signifikan terhadap LS.

Kata kunci: kambing, *breed*, *litter size*

ABSTRACT

EFFECT OF BREED ON GOAT'S LITTER SIZE IN BHUMI NARARYA FARM, SLEMAN, YOGYAKARTA

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Litter size (LS) is the number of offspring produced at one birth by viviparous animals. This research was conducted to determine the effect of breed on goat's LS in Bhumi Nararya Farm, Kemirikebo, Girikerto, Turi, Sleman, Yogyakarta. The data of LS were collected from various breed of goat, one to four years old in age. Proportionate random sampling method was applied, 103 samples of LS were taken from 144 data in total which were consisted of 15 Javanese goats, 34 Senduro crossed-Ettawa goats, 13 Kaligesing Crossed-Ettawa goats, 4 Saanen goats, 30 Bligon goats, and 7 Boer goats. The data were analyzed statistically using one-way variance analyze (ANOVA) method in SPSS 16.0 program. The result showed that the average LS from Javanese goats are $1,73 \pm 0,59$; Senduro crossed-Ettawa goats are $1,35 \pm 0,48$; Kaligesing crossed-Ettawa goats are $1,46 \pm 0,52$; Saanen goats are $1,50 \pm 0,58$; Bligon goats are $1,47 \pm 0,51$; and Boer goats are $1,43 \pm 0,53$. Furthermore, ANOVA result showed 0,91 ($P>0,05$) which means the breed lacks effect on LS of goats in Bhumi Nararya Farm, Sleman, Yogyakarta.

Keywords: goat, breed, litter size