



PRODUKTIVITAS PRA SAPIH KAMBING PERANAKAN ETAWAH DITINJAU DARI PERBEDAAN WARNA RAMBUT INDUK

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INTISARI

Penelitian ini bertujuan untuk mengetahui hubungan antara perbedaan warna rambut induk dengan produktivitas pra sapih kambing Peranakan Etawah (PE). Penelitian ini dilakukan dengan pengamatan 28 ekor anak dari 21 ekor induk kambing PE dengan pola warna rambut yang berbeda yaitu masing-masing 7 ekor induk kambing PE dengan warna kepala hitam tubuh putih, warna kepala coklat tubuh putih, dan warna kepala dan tubuh campuran hitam-coklat-putih. Penelitian dilakukan pada 5 Agustus sampai dengan 17 Desember 2015. Data penelitian meliputi jumlah anak sekelahiran, perbandingan anak jantan dengan betina, mortalitas anak pra sapih, konsumsi susu, dan pertumbuhan anak pra sapih yang meliputi bobot lahir, bobot sapih, penambahan bobot badan harian absolut dan relatif, serta ukuran tubuh anak pra sapih yang meliputi panjang badan, tinggi badan, lingkar dada, dalam dada, dan panjang telinga absolut dan relatif. Data dianalisis menggunakan analisis variansi dengan rancangan acak lengkap pola searah dilanjutkan dengan uji *Duncan's Multiple Range Test* (DMRT) apabila terdapat perbedaan uji pola warna rambut yang signifikan terhadap variasi yang diteliti. Hasil penelitian menunjukkan perbandingan jumlah anak jantan dengan betina dan mortalitas pra sapih anak memiliki angka yang hampir sama. Terdapat perbedaan yang nyata ($P < 0,05$) konsumsi susu harian anak kambing PE dari induk dengan pola warna yang berbeda. Tidak terdapat pengaruh pola warna rambut induk terhadap jumlah anak sekelahiran, bobot lahir, bobot sapih, penambahan bobot badan harian absolut dan relatif, serta ukuran tubuh anak. Dapat disimpulkan bahwa kambing PE dari induk dengan pola warna rambut yang berbeda mempunyai produktivitas pra sapih yang sama kecuali pada konsumsi susu.

Kata kunci: Kambing Peranakan Etawah, Produktivitas pra sapih, Warna rambut.



PRE-WEANING PRODUCTIVITY OF ETAWAH CROSSEDBRED GOAT VIEWED FROM DIFFERENT OF DOE'S HAIR COLOR

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ABSTRACT

This study aimed to determine the effect of differences in hair color carrier with productivity holding pre-weaning of Etawah Crossedbred goat. Twenty eight Etawah Crossedbred kids which born from 21 does were divided into different hair color patterns groups: 7 goats with black and white color patterns, 7 goats with brown and white color patterns, and 7 goats with combination of black-brown-white color patterns. This research was conducted in August 5th until December 17th, 2015. The research data consisting of litter size, proportion of male and female kid, pre-weaning mortality of kid, milk consumption, and pre-weaning growth that consists of birth weight, weaning weight, absolute and relative of daily weight gain, and kid's pre-weaning body size of absolute and relative's growth of body length, body height, chest circumference, chest size, and long ears. The data was analyzed using analysis of variance with a randomized completely design with one way pattern and continued with Duncan's Multiple Range Test (DMRT) if there were difference in hair color test patterns significantly to the observed variation. The results indicated that the doe of Etawah Crossedbred goats with differences in hair color is same for proportion of male and female kids and pre-weaning mortality. There was a significantly difference ($P < 0.05$) on daily milk consumption of Etawah Crossedbred kids that were born from the parent with differences hair color. There was no effect of hair color pattern's parent to litter size, birth weight, weaning weight, absolute and relative of average daily gain and body size's kids. It can be concluded that the kids of Etawah Crossedbred goats that born from the parent with different hair color patterns have the same pre-weaning productivity except the milk consumption.

Keywords: Etawah Crossedbred goat, Pre-weaning productivity, Hair color.