

PERTUMBUHAN PASCA SAPIH KAMBING PERANAKAN ETAWAH DITINJAU DARI PERBEDAAN WARNA RAMBUT

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INTISARI

Penelitian bertujuan untuk mengetahui pertumbuhan kambing PE pasca sapih ditinjau dari pola warna rambutnya. Pola warna rambut dibagi menjadi 3 kategori, yaitu kepala hitam badan putih, kepala coklat badan putih, dan kombinasi antara warna hitam-putih-coklat. Kambing yang digunakan sebanyak 12 ekor umur 3 bulan dengan masing-masing 4 ekor per kategori warna rambut, dipelihara selama 3 bulan. Penelitian dilakukan di kandang Laboratorium Ternak Potong Kerja dan Kesayangan Fakultas Peternakan UGM. Pakan yang diberikan berupa konsentrat dan hijauan dengan imbang 40;60% diberikan sebanyak 5% dari bobot badan berdasar bahan kering. Data yang diambil meliputi pertambahan bobot badan harian, ukuran tubuh, konsumsi pakan, konversi pakan, dan *feed cost per gain*. Data dianalisis menggunakan analisis variansi dengan rancangan acak lengkap pola searah serta dilakukan uji lanjut dengan metode *Duncan's New Multiple Range Test*. Hasil penelitian menunjukkan bahwa konsumsi pakan dan nutrien, pertambahan bobot badan harian, konversi pakan, *feed cost per gain* dan ukuran tubuh antara kambing berwarna hitam putih, coklat putih dan warna campuran berbeda tidak nyata. Konsumsi total pakan perhari kambing PE pola warna hitam putih, coklat putih, dan campuran adalah 1424,42; 1224,32; dan 1547,99 g/ekor/hari. Pertambahan bobot badan harian berturut-turut 37,40; 42,68; and 29,94 g/ekor/hari, konversi pakan 16,22; 15,72; dan 16,91, serta *feed cost per gain* 56.177,50; 58.134,56; dan 63.573,10 Rp/kg bobot badan. Disimpulkan bahwa konsumsi pakan dan nutrien, pertambahan bobot badan harian, konversi pakan, *feed cost per gain* dan ukuran tubuh kambing PE pasca sapih dengan pola warna rambut berbeda adalah sama.

Kata kunci: Kambing PE, Pasca sapih, Warna rambut, Pertumbuhan.

POST WEANING GROWHT OF ETAWAH GRADE GOAT BASED ON THE HAIR COLOR DIFFERENCES

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ABSTRACT

The research was conducted to identify the post weaning growth of Etawah Grade kid based on hair color differences. The hair color differences were divided into three categories, black-white, brown-white and mixed colors. Twelve Etawah Grade kids aged at three months old were studied on their growth, each category consisted of four kids. The research was conducted at Laboratory of Meat, Draught and Companion Animal, Faculty of Animal Science, Universitas Gadjah Mada. The kids were fed with similar feed, concentrate and roughages feed, the ratio was 40:60%, and were given 5% on dry matter base. The data consisted of body weight, average daily gain, body size, feed and nutrient intakes, feed conversion and feed cost per gain. One way analysis of variance was used to identify the differences between mean and followed by Duncan's New Multiple Range Test for significant differences. Statistical analysis showed that there were no significant differences on feed and nutrients intakes, average daily gain, feed conversion, feed cost per gain and body size amongst kid with different hair color. Feed intake of black-white, brown-white and mixed color kids were 1424.42; 1224.32; and 1547.99 g/h/day, the average daily gain were 37.40; 42.68; and 29.94 g/h/day, feed conversion were 16,22; 15,72; and 16,91, feed cost per gain were; 56.177,25; 58.134,56; and 63.573,10 IDR/kg body weight, respectively. It is concluded that black-white, brown-white and mixed color of Etawah Grade kids had a similar feed intake and growth, in terms of average daily gain, feed conversion, feed cost per gain and body size.

Keywords: Etawah Grade, Post weaning, Hair color differences, Growth