

KARAKTERISTIK EKSTERIOR DOMBA HASIL PERSILANGAN DORPER DAN GARUT

Pradiptya Arrohman
21/482728/PT/09104

INTISARI

Upaya peningkatan produktivitas ternak domba di Indonesia terus dilakukan melalui program persilangan antara domba lokal dan impor. Penelitian ini bertujuan untuk mengetahui karakteristik eksterior domba hasil persilangan domba pejantan Dorper dan betina Garut. Penelitian ini menggunakan 107 ekor domba yang terdiri atas 34 ekor anak (3-4 bulan), 33 ekor muda (8-10 bulan), dan 40 ekor dewasa (>12 bulan). Penelitian dilakukan dengan metode survei melalui pengamatan dan pengukuran langsung pada ternak. Data yang diambil meliputi karakteristik eksterior kualitatif dan kuantitatif. Data kualitatif dianalisis secara deskriptif. Perbedaan nilai antar jenis kelamin dianalisis dengan *Independent sample T-test*. Hasil penelitian menunjukkan bahwa jantan dewasa mayoritas memiliki muka datar (80%), punggung datar (85%), bertanduk (70%), telinga mendatar ke samping (85%), tubuh berwarna putih (85%), kepala hitam (50%), serta leher berwarna putih (35%). Domba betina dewasa mayoritas memiliki muka datar (85%), punggung datar (65%), tidak bertanduk (90%), telinga jatuh ke bawah (60%), tubuh berwarna putih (90%), kepala hitam (50%), serta leher berwarna campuran (60%). Panjang badan absolut, panjang badan relatif, tinggi gumba, tinggi pinggul, lebar pinggul, lingkaran dada, dalam dada, dan lebar dada domba jantan dan betina dewasa berturut-turut masing-masing adalah $78,20 \pm 8,04$ dan $71,15 \pm 3,79$ cm; $78,20 \pm 07,98$ dan $69,90 \pm 03,88$ cm; $70,55 \pm 4,82$ dan $65,45 \pm 4,67$ cm; $67,00 \pm 5,40$ dan $60,00 \pm 3,66$ cm; $17,60 \pm 2,93$ dan $17,40 \pm 1,73$ cm; $91,60 \pm 6,87$ dan $84,63 \pm 6,19$ cm; $40,55 \pm 23,43$ dan $34,50 \pm 1,91$ cm; $25,65 \pm 4,75$ dan $25,60 \pm 2,74$ cm. Panjang badan absolut, panjang badan relatif, tinggi gumba, tinggi pinggul, lingkaran dada, dalam dada, tinggi sternum, lingkaran perut tengah, lingkaran perut ujung, panjang kepala, lebar kepala, panjang tanduk, dan bobot badan domba jantan lebih besar ($P < 0,05$) dibandingkan dengan domba betina pada semua usia. Disimpulkan bahwa domba Dorper x Garut mayoritas memiliki muka datar, punggung datar, jantan bertanduk dan betina tidak, telinga mendatar kesamping, warna rambut tubuh putih, warna rambut kepala hitam atau campuran, warna rambut leher bervariasi putih, hitam, dan campuran; rambut tebal pada bagian leher, badan, perut pada jantan dan rambut tipis pada bagian kepala, kaki, dan perut pada betina. Ukuran tubuh dan bobot badan jantan lebih besar dari pada betina.

Kata kunci : persilangan, karakteristik, kualitatif, kuantitatif.

EXTERIOR CHARACTERISTICS OF DORPER-GARUT CROSSBRED SHEEP

Pradiptya Arrohman
21/482728/PT/09104

ABSTRACK

The efforts to increase sheep productivity in Indonesia are continuously carried out through crossbreeding programs between local and imported breeds. This study aimed to investigate the exterior characteristics of Dorper-Garut crossbred sheep. A total of 107 head of Dorper-Garut crossbred sheep consisting of 34 head of lambs (3–4 months), 33 head of young (8–10 months), and 40 head of adults (>12 months) were used in this study. The study was conducted using a survey method through direct observation and measurement of the animals. Data collected included both qualitative and quantitative traits, and the qualitative data analyzed descriptively, while differences between sexes were analyzed using the *Independent sample T-test*. The results showed that adult rams were dominated by flat facial profile (80%), flat back profile (85%), horned (70%), horizontal ear orientation (85%), white body color (85%), black head color (50%), and white neck color (35%). Adult ewes were dominated by flat facial profile (85%), flat back profile (65%), polled (90%), drooping ear orientation (60%), white body color (90%), black head color (50%), and mixed neck color (60%). Absolute body length, relative body length withers height, hip height, hip width, heart girth, heart depth, and heart width of adult rams and ewes were 78.20±8.04 and 71.15±3.79 cm; 78.20±07.98 and 69.90±03.88 cm; 70.55±4.82 and 65.45±4.67 cm; 67.00±5.40 and 60.00±3.66 cm; 17.60±2.93 and 17.40±1.73 cm; 91.60±6.87 and 84.63±6.19 cm; 40.55±23.43 and 34.50±1.91 cm; and 25.65±4.75 and 25.60±2.74 cm, respectively. Absolute body length, relative body length, withers height, hip height, heart girth, heart depth, sternum height, mid-abdominal girth, rear-abdominal girth, head length, head width, horn length, and body weight of rams at all age were higher ($P<0.05$) than those of ewes. It can be concluded that Dorper-Garut crossbred sheep are characterized by flat facial and back profiles, horned rams and polled ewes, horizontal and drooping ear orientation, white body color, black or mixed head color, variable neck color (white, black, or mixed); dense hair on the neck, body, and abdomen of rams; thin hair on the head, legs, and abdomen of ewes. Body size and weight of rams were large than those of ewes.

Keywords: crossbreeding, characteristics, qualitative, quantitative