



PENGARUH SKOR KONDISI TUBUH AWAL TERHADAP PERTUMBUHAN KOMPENSASI KAMBING INDUK BLIGON

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh skor kondisi tubuh (SKT) awal terhadap pertumbuhan kompensasi kambing induk bligon. Materi yang digunakan dalam penelitian ini yaitu 10 ekor kambing induk Bligon masa kering dan tidak bunting, yang terdiri atas SKT 1 dan SKT 2 masing-masing lima ekor. Kambing dipelihara di kandang individu. Pakan yang diberikan terdiri atas konsentrat dan hijauan. Pakan konsentrat diberikan secara *ad libitum* dan hijauan diberikan secara *restricted* sebanyak 1 kg. Selain itu, air minum tersedia di sepanjang waktu. Pemeliharaan dilakukan selama sembilan minggu. Variabel yang diamati meliputi konsumsi bahan kering (BK), protein kasar (PK), *total digestible nutrient* (TDN), pertambahan bobot badan harian (PBBH), konversi pakan, dan *feed cost per gain* (FC/G). Data yang diperoleh dianalisis menggunakan *Independent Sample T-test*. Konsumsi BK, PK dan TDN kambing SKT 1 dan SKT 2 berturut-turut masing-masing adalah $1101,08 \pm 221,45$ dan $1428,10 \pm 117,11$ g/hari, $211,75 \pm 42,75$ dan $275,81 \pm 23,06$ g/hari, serta $1000,55 \pm 201,83$ dan $1302,11 \pm 108,42$ g/hari. Konsumsi BK, PK, dan TDN kambing SKT 1 lebih rendah ($P < 0,05$) daripada SKT 2. PBBH, konversi pakan, dan FC/G kambing SKT 1 dan SKT 2 berturut-turut masing-masing adalah $103,62 \pm 31,03$ dan $168,36 \pm 5,90$ g/hari, $11,06 \pm 2,19$ dan $8,49 \pm 0,81$, serta Rp 60.498 ± 14.621 dan Rp 44.213 ± 4706 per kg. Nilai PBBH kambing SKT 1 lebih rendah ($P < 0,05$) dibandingkan SKT 2, tetapi konversi pakan dan FC/G kambing SKT lebih tinggi ($P < 0,05$) dibandingkan SKT 2. Disimpulkan bahwa kinerja pertumbuhan kambing induk bligon kering tidak bunting dengan SKT awal 2 lebih baik daripada SKT 1.

Kata kunci: Kambing, Kambing induk Bligon, Pertumbuhan kompensasi, Skor Kondisi Tubuh (SKT).



THE EFFECT OF INITIAL BODY CONDITION SCORE ON COMPENSATORY GROWTH OF BLIGON GOATS DOES

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ABSTRACT

This study aimed to observe the effect of the initial body condition score (BCS) on the compensatory growth of Bligon goats does. The materials used in this study consisted of 10 heads of days open. Bligon goats does, with five does each in BCS 1 and BCS 2. The goats were individually housed and fed a diet of concentrate and forage. The concentrate feed was provided ad libitum, and the forage was given in a restricted manner, amounting to 1 kg. Additionally, drinking water was available at all times. The goats were maintained for nine weeks. The observed variables included dry matter intake (DMI), crude protein intake (CPI), total digestible nutrients (TDN) intake, average daily gain (ADG), feed conversion ratio (FCR), and feed cost per gain (FC/G). The data obtained were analyzed using Independent Sample T-test. The DMI, CPI, and TDN intake of BCS 1 and 2 were 1101.08 ± 221.45 and 1428.10 ± 117.11 g/day, 211.75 ± 42.75 and 275.81 ± 23.06 g/day, and 1000.55 ± 201.83 and 1302.11 ± 108.42 g/day, respectively. The DMI, CPI, and TDN intake of BCS 1 were lower ($P < 0.05$) than those of BCS 2. The ADG, FCR, and FC/G of BCS 1 and BCS 2 were 103.62 ± 31.03 and 168.36 ± 5.90 g/day, 11.06 ± 2.19 and 8.49 ± 0.81 , and Rp $60,498 \pm 14,621$ and Rp $44,213 \pm 4,706$ per kg, respectively. The ADG of BCS 1 was lower ($P < 0.05$) than those of BCS 2, but the FCR and FC/G of BCS 1 were higher ($P < 0.05$) than those of BCS 2. In conclusion, the growth Bligon goats does with an initial BCS of 2 was better than those of BCS 1.

Keywords: Bligon goats does, Body Condition Score (BCS), Compensatory growth, Goats