

PENGARUH SELANG WAKTU PEMBERIAN KONSENTRAT DAN SILASE JERAMI SORGUM TERHADAP TINGKAH LAKU DAN KINERJA PERTUMBUHAN DOMBA EKOR TIPIS JANTAN

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INTISARI

Penelitian ini bertujuan untuk mengkaji tingkah laku dan kinerja pertumbuhan domba yang diberi pakan konsentrat dan silase jerami sorgum dengan selang waktu berbeda. Materi yang digunakan yaitu 16 ekor domba dengan bobot awal $15,53 \pm 0,37$ kg. Domba dibagi secara acak ke dalam empat kelompok, yaitu T0 (konsentrat dan silase jerami sorgum secara bersamaan), T1 (konsentrat dan silase jerami sorgum berselang 40 menit), T2 (konsentrat dan silase jerami sorgum berselang 80 menit), dan T3 (konsentrat dan silase jerami sorgum berselang 120 menit). Pakan yang digunakan terdiri atas konsentrat komersial dan silase jerami sorgum. Air minum tersedia sepanjang waktu. Pengambilan data dilakukan selama 42 hari. Data yang diamati meliputi tingkah laku dan kinerja pertumbuhan. Data tingkah laku, konsumsi pakan, dan konversi pakan yang diperoleh dianalisis dengan menggunakan *One-Way Anova*. Data pertambahan bobot badan yang diperoleh dianalisis dengan menggunakan *Analysis of Variance*. Lama berdiri, berbaring, makan, minum, dan ruminasi T0, T1, T2, dan T3 berturut-turut masing-masing adalah $308,21 \pm 11,59$, $388,85 \pm 43,77$, $379,4 \pm 27,40$, dan $430,58 \pm 87,60$ menit/hari; $722,72 \pm 27,30$, $659,58 \pm 50,56$, $610,29 \pm 28,14$, dan $708,74 \pm 98,51$ menit/hari; $151,21 \pm 10,06$, $142,22 \pm 18,70$, $146,28 \pm 16,01$, dan $95,84 \pm 12,22$ menit/hari; $6,54 \pm 1,09$, $4,75 \pm 0,45$, $6,03 \pm 2,27$, dan $2,98 \pm 0,75$ menit/hari; serta $241,44 \pm 26,92$, $231,07 \pm 45,47$, $287,32 \pm 34,11$, dan $189,84 \pm 13,65$ menit/hari. Lama berdiri, berbaring, makan, minum, dan ruminasi T0, T1, T2, dan T3 berbeda tidak nyata. Konsumsi bahan kering, pertambahan bobot badan harian, serta konversi pakan T0, T1, T2, dan T3 berturut-turut masing-masing adalah $642,55 \pm 66,32$, $643,03 \pm 34,55$, $806,10 \pm 31,66$, dan $583,13 \pm 80,63$ gr/hari; $0,12 \pm 0,03$, $0,08 \pm 0,02$, $0,13 \pm 0,01$, dan $0,10 \pm 0,01$ kg/hari; serta $12,95 \pm 5,75$, $13,55 \pm 3,30$, $8,57 \pm 0,70$, dan $9,30 \pm 0,72$. Konsumsi bahan kering, pertambahan bobot badan harian, dan konversi pakan T0, T1, T2, dan T3 berbeda tidak nyata. Disimpulkan bahwa perbedaan selang waktu pemberian konsentrat dan silase jerami sorgum selama 0-120 menit tidak mempengaruhi tingkah laku dan kinerja pertumbuhan Domba Ekor Tipis jantan.

(Kata kunci: Domba, Selang Waktu, Konsentrat, Silase Jerami Sorgum, Tingkah Laku, Kinerja Pertumbuhan)

THE EFFECT OF CONCENTRATE AND SORGHUM STRAW SILAGE FEEDING INTERVAL METHOD ON THE BEHAVIOR AND GROWTH PERFORMANCE OF THIN-TAIL MALE LAMB

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ABSTRACT

This study aimed to observe the behavior and growth performance of sheep fed concentrate and sorghum straw silage at different time intervals. 16 head of sheep with 15 kg initial weight were used in this study. They were randomly divided into four groups, i.e T0 (concentrate and sorghum straw silage at same time), T1 (sorghum straw concentrate and silage is used with time interval 40 minutes), T2 (sorghum straw concentrate and silage is used with time interval 80 minutes), and T3 (concentrate and sorghum straw silage is used with time interval 120 minutes). The feedstuff used consisted of commercial concentrate and sorghum straw silage. Drinking water was available at all of the times. Animal were raised for 42 days. The data obtained were analyzed using One-Way Anova and *Analysis of Variance*. The duration of standing, lying, eating, drinking, and rumination of T0, T1, T2, and T3 were 308,21±11,59, 388,85±43,77, 379,4±27,40, and 430,58±87,60 minutes/day; 722,72±27,30, 659,58±50,56, 610,29±28,14, and 708,74±98,51 minutes/day; 151,21±10,06, 142,22±18,70, 146,28±16,01, and 95,84±12,22 minutes/day; 6,54±1,09, 4,75±0,45, 6,03±2,27 and 2,98±0,75 minutes/day; and 241,44±26,92, 231,07±45,47, 287,32±34,11 and 189,84±13,65 minutes/day, respectively. There was no significant of standing, lying, eating, drinking, and rumination among them. Dry matter intake, average daily gain, and feed conversion ratio for T0, T1, T2, and T3 were 642,55±66,32, 643,03±34,55, 806,10±31,66 and 583,13±80,63 g/day; 0,12±0,03, 0,08±0,02, 0,13±0,01 and 0,10±0,01 kg/day; and 12,95±5,75, 13,55±3,30, 8,57±0,70, and 9,30±0,72, respectively. There was no significant difference of dry matter intake, average daily gain, and feed conversion ratio among them. It can be concluded that the difference of time interval concentrate and sorghum straw silage feeding for 0-120 minutes do not affect the behavior and growth performance of male Thin-Tail Sheep.

(Key words: Sheep, Time Interval, Concentrate, Sorghum Straw Silage, Behavior, Growth Performance)