

PERTUMBUHAN PRASAPIH PEDET PERANAKAN ONGOLE DARI INDUK YANG DIBERI PAKAN KONSENTRAT PADA PAKAN DASAR RUMPUT

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INTISARI

Penelitian ini dilakukan untuk mengetahui pertumbuhan prasapih pedet Peranakan Ongole (PO) dari induk yang diberi pakan konsentrat pada pakan dasar rumput. Materi yang digunakan terdiri atas 12 ekor pedet PO yang terdiri atas 6 ekor pedet dari induk yang diberi konsentrat dan 6 ekor pedet dari induk yang tidak diberi konsentrat. Konsentrat diberikan mulai induk bunting 6 bulan. Pedet dipelihara bersama induknya di dalam kandang yang sama secara intensif. Pemberian pakan dilakukan dua kali sehari, yaitu pada pagi dan sore hari. Pakan diberikan dengan metode *restricted* (terbatas), yaitu rumput sebesar 21 kg/hari dan konsentrat sebanyak 4,3 kg/hari *as fed*. Pemeliharaan dilakukan sampai pedet disapih pada umur 6 bulan. Variabel yang diamati meliputi konsumsi pakan induk serta pertambahan bobot badan harian (PBBH) dan pertambahan ukuran tubuh harian pedet. Data yang diperoleh dianalisis menggunakan *Independent Sample T test*. Hasil penelitian menunjukkan bahwa konsumsi bahan kering, protein kasar, dan total digestible nutrient induk yang diberi dan tidak diberi konsentrat berturut-turut masing-masing adalah $11,50 \pm 1,32$ dan $7,64 \pm 1,11$ kg/hari, $1,32 \pm 0,16$ dan $0,94 \pm 0,14$ kg/hari, serta $7,87 \pm 0,86$ kg/hari. Konsumsi pakan induk yang diberi konsentrat lebih tinggi ($p < 0,05$) daripada induk yang tidak diberi konsentrat. PBBH pedet dari induk yang diberi dan tidak diberi konsentrat adalah $0,54 \pm 0,07$ dan $0,50 \pm 0,10$ kg/ekor/hari. PBBH kedua kelompok berbeda tidak nyata. Pertambahan tinggi gumba, tinggi pinggul, lebar dada, lebar pinggul, dalam dada, panjang badan, dan lingkaran dada harian pedet dari induk yang diberi dan tidak diberi konsentrat berturut-turut masing-masing adalah $0,14 \pm 0,03$ dan $0,21 \pm 0,12$ cm/hari, $0,18 \pm 0,04$ dan $0,20 \pm 0,07$ cm/hari, $0,11 \pm 0,03$ dan $0,09 \pm 0,02$ cm/hari, $0,07 \pm 0,03$ dan $0,09 \pm 0,05$ cm/hari, $0,11 \pm 0,03$ dan $0,10 \pm 0,02$ cm/hari, $0,24 \pm 0,08$ dan $0,28 \pm 0,06$ cm/hari, serta $0,54 \pm 0,07$ dan $0,50 \pm 0,10$ cm/hari. Pertambahan ukuran tubuh harian kedua kelompok berbeda tidak nyata. Disimpulkan bahwa pemberian konsentrat sebanyak 4,3 kg/hari *as fed* pada induk sapi PO dengan pakan dasar rumput sebanyak 21 kg/hari *as fed* meningkatkan konsumsi pakan induk tetapi tidak mempengaruhi pertumbuhan prasapih pedet dari lahir sampai dengan umur 6 bulan.

Kata-kata kunci: Pertumbuhan prasapih, Pedet Peranakan Ongole

THE PREWEANING GROWTH OF ONGOLE CROSSED BREED'S CALVES OF COWS FED WITH CONCENTRATE AS ADDITIONAL FEED AND GRASS AS BASAL DIET

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ABSTRACT

This study was conducted to observe the preweaning growth of Ongole crossed breed's calves of cows which were fed with concentrate as additional feed and grass as basal diet. Twenty head of Ongole crossed breed's calves were used in this study. They were consisted of six head of calves of cows fed with concentrate and grass and six head of calves fed with grass only. The concentrate was given since six months old of pregnancy. The calves were raised intensively together with their dams in the same pen. Feeding was done twice a day, in the morning and evening. The feeds were given as restricted method, i.e. grass as much as 21 kg/day of grass and concentrate as much as 4.3 kg/day as *fed*. Calves were weaned as they reach six months of age. Variables observed including feed consumption of cows as well as average daily gain (ADG) and daily body size gain of calves. The data obtained were analysed using the Independent Sample T test. The results showed that the dry matter, crude protein, and total digestible nutrient consumptions of the cows fed with and without concentrates were $11,50 \pm 1,32$ and $7,64 \pm 1,11$ kg/day, $32 \pm 0,16$ and $0,94 \pm 0,14$ kg/day, and $7,87 \pm 0,86$ kg/day, respectively. Feed consumption of cows fed with concentrate was higher ($p < 0.05$) than that of fed without concentrate. The average daily whitters height, hip height, chest width, hip width, chest depth, body length, hearth girth gain of the calves of cows fed with and without concentrates were 0.14 ± 0.03 and 0.21 ± 0.12 cm/day, 0.18 ± 0.04 and 0.20 ± 0.07 cm/day, 0.11 ± 0.03 and 0.09 ± 0.02 cm/day, 0.07 ± 0.03 and 0.09 ± 0.05 cm/day, 0.11 ± 0.03 and 0.10 ± 0.02 cm/day, 0.24 ± 0.08 and 0.28 ± 0.06 cm/day, and 0.54 ± 0.07 and 0.50 ± 0.10 cm/day. ADG of calves of cows fed with and without concentrate were 0.54 ± 0.07 and 0.50 ± 0.10 kg/day, respectively. There was no significant different ADG between groups. There was no significant different average daily body size gain between groups. It is concluded that giving 4,3 kg/day as *fed* of concentrate since 6 months old of pregnancy into 21 kg/day as *fed* of grass basic diet for cows increased feed consumption of cows but doesn't affect pre-weaning growth of their calves.

Key words : Preweaning Growth, Ongole Grade calves.