

PERTUMBUHAN SAPI PERANAKAN ONGOLE DAN PERSILANGAN SIMMENTAL-PERANAKAN ONGOLE JANTAN MENGGUNAKAN SISTEM *FEEDLOT*

**Dody Agfrinuryudi
(06/198017/PT/05218)**

INTISARI

Penelitian ini bertujuan untuk mengetahui pertumbuhan sapi Peranakan Ongole (PO) dan sapi persilangan Simmental-Peranakan Ongole (SimPO) jantan menggunakan sistem *feedlot*. Sapi yang digunakan dalam penelitian ini adalah 6 sapi PO dan 6 sapi SimPO jantan. Sapi berumur 1,5 sampai 2 tahun dengan bobot awal sapi PO $315,6 \pm 39,46$ kg dan bobot awal sapi SimPO jantan $350,0 \pm 13,23$ kg. Pemeliharaan dilakukan selama tiga bulan. Pakan yang diberikan berupa pakan konsentrat komersial, kulit kedelai (kleci), ketela dan rumput gajah. Variabel yang diamati meliputi kondisi fisiologis, konsumsi pakan, pertambahan bobot badan harian, konversi pakan dan *feed cost per gain*. Data hasil penelitian dianalisis menggunakan analisis variansi *Independent Sample T-test*. Hasil penelitian menunjukkan bahwa pulsus, respirasi, dan temperatur rektal sapi SimPO lebih tinggi ($P \leq 0,05$) dari pada sapi PO jantan. Konsumsi pakan, pertambahan bobot badan harian, konversi pakan dan *feed cost per gain* sapi PO dan SimPO jantan tidak berbeda nyata. Disimpulkan bahwa kinerja pertumbuhan sapi PO tidak berbeda dengan sapi SimPO jantan pada pemeliharaan secara *feedlot*.

Kata kunci: Peranakan Ongole, Simmental-Peranakan Ongole, Pertumbuhan, *Feedlot*

THE GROWTH PERFORMANCES OF ONGOLE GRADE AND SIMMENTAL-ONGOLE CROSSBRED BULL FOLLOWING IN THE FEEDLOT SYSTEM

**Dody Agfrinuryudi
(06/198017/PT/05218)**

ABSTRACT

This research was aimed to observe the growth performances of Ongole grade and Simmental-Ongole crossbred bull following in the feedlot system. Six head of Ongole grade and six head of Simmental-Ongole crossbred bulls were used in this study. The age of animal were ranged from 1,5 to 2 years old. The average initial weight of Ongole grade and Simmental-Ongole crossbred bulls were 315.6 ± 39.46 kg and 350.0 ± 13.23 kg, respectively. Maintenance carried out for 3 months. Feeds used in this study consisted of commercial concentrate, soybean seed coate, cassava and elephant grass. Variables observed were physiology conditions, feeds intake, average daily weight gain, feed conversion ratio and feed cost per gain. Data recorder were subjected to analysis of variance following Independent Sample T-test. The results showed that the pulsus, respiration, and rectal temperature of Simmental-Ongole crossbred bulls were higher ($P \leq 0.05$) than those of Ongole grade bulls. Feed intake, average daily weight gain, feed conversion ratio and feed cost per gain Ongole grade and Simmental-Ongole crossbred bulls were not significantly different. It was concluded that the growth performance of Ongole grade and Simmental-Ongole crossbred bulls following feedlot a system were similar.

Keywords : Ongole grade, Simmental Ongole Crossbred, Growth, Feedlot