

**KINERJA PERTUMBUHAN SAPI HASIL PERSILANGAN BELGIAN
BLUE DENGAN BRAHMAN CROSS UMUR 12 BULAN
SAMPAI 18 BULAN**

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INTISARI

Penelitian ini bertujuan untuk mengetahui kinerja pertumbuhan sapi hasil persilangan Belgian blue (BB) dengan Brahman cross (BX) umur 12 sampai 18 bulan. Materi yang digunakan berupa 8 ekor sapi hasil persilangan BB dengan BX serta 12 ekor sapi BX, sebagai kontrol umur 12 bulan. Sapi dipelihara di kandang lepas dan lantai kandang diberi alas berupa serbuk gergaji. Pakan yang digunakan terdiri atas hijauan yang diberikan 2 kali dalam sehari dan konsentrat yang diberikan 3 kali dalam sehari. Penelitian ini dilakukan selama 6 bulan. Data yang diambil adalah tinggi gumba, lingkar dada, panjang badan, dan bobot badan. Data yang diperoleh dianalisis menggunakan *completely randomized design*. Pertambahan tinggi gumba, lingkar dada, panjang badan, dan bobot badan harian sapi persilangan BB dan BX berturut-turut masing-masing adalah $0,08 \pm 0,02$ dan $0,09 \pm 0,04$ cm/hari, $0,19 \pm 0,03$ dan $0,11 \pm 0,08$ cm/hari, $0,11 \pm 0,04$ dan $0,07 \pm 0,04$ cm/hari, serta $1,04 \pm 0,24$ dan $0,23 \pm 0,10$ kg/hari. Pertambahan tinggi gumba, lingkar dada, dan panjang badan harian sapi persilangan BB dan sapi BX berbeda tidak nyata, tetapi pertambahan bobot badan harian sapi persilangan BB lebih besar ($P < 0,05$) dibandingkan sapi BX. Disimpulkan bahwa persilangan sapi BB meningkatkan kinerja pertumbuhan sapi BX umur 12 sampai 18 bulan.

Keyword: Sapi Belgian Blue, Sapi Brahman Cross, Pertumbuhan

GROWTH PERFORMANCE OF BELGIAN BLUE CROSSED WITH BRAHMAN CROSS AGED 12 TO 18 MONTHS

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ABSTRACT

The aim of this study was to observe growth performance of Belgian blue (BB) crossed with Brahman cross (BX) cattle from 12 to 18 months of age. The materials used included 8 heads of BB crossing and 12 heads of BX as a control. Cattle are kept in a loose house and littered with sawdust. The feed consisted of forages which were given 2 times a day and the concentrate which were given 3 times a day. They were raised for 6 months. The observed data were withers height, heart girth, body length, and body weight. The obtained data were analyzed by completely randomized design. The daily withers height, heart girth, body length, and body weight gain of BB crossbreed and BX cattle were 0.08 ± 0.02 and 0.09 ± 0.04 cm/day, 0.19 ± 0.03 and 0.11 ± 0.08 cm/day, 0.11 ± 0.04 and 0.07 ± 0.04 cm/day, and 1.04 ± 0.24 and 0.23 ± 0.10 kg/day, respectively. There was no significant difference daily withers height, heart girth, and body length gain between BB cross and BX cattle, but the daily body weight gain of BB cross was higher ($P < 0.05$) than that of BX Cattle. It is concluded that the crossing with BB cattle improves the BX cattle growth performance from 1 to 1,5 years of age.

Keyword : Belgian blue, Brahman cross, Growth performance.