

PENGARUH BANGSA DAN UMUR TERHADAP UKURAN ORGAN REPRODUKSI SAPI POTONG BETINA

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh bangsa dan umur terhadap ukuran organ reproduksi sapi potong betina di Rumah Potong Hewan (RPH) Kecamatan Waru, Kabupaten Pamekasan, Jawa Timur dan RPH Giwangan Kota Yogyakarta pada bulan November 2009 sampai dengan April 2010. Penelitian menggunakan 57 ekor sapi potong betina dengan rincian 21 ekor sapi Madura, 15 ekor sapi Peranakan Ongole (PO), 12 ekor sapi Limousin Peranakan Ongole (LimPO) dan 9 ekor sapi Simmental Peranakan Ongole (SimPO) yang dibagi dalam tiga kelompok umur. Data yang diperoleh dianalisis dengan Rancangan Acak Lengkap (RAL) pola faktorial (4X3) menggunakan analisis variansi dan dilanjutkan dengan *Duncan's Multiple Range Test* (DMRT). Hasil penelitian didapatkan rata-rata berat badan sapi potong betina adalah $327,89 \pm 34,51$ kg serta ukuran organ reproduksinya adalah panjang vulva $9,32 \pm 2,24$ cm, panjang vagina $28,2 \pm 2,44$ cm, panjang serviks $8,29 \pm 1,22$ cm, lebar serviks $3,55 \pm 0,63$ cm, tebal serviks $2,76 \pm 0,45$ cm, panjang uterus $28,11 \pm 3,62$ cm, panjang tuba fallopii $21,86 \pm 2,43$ cm, panjang ovarium $3,14 \pm 0,46$ cm, lebar ovarium $2,1 \pm 0,41$ cm dan tebal ovarium $1,63 \pm 0,37$ cm. Dari penelitian disimpulkan bahwa bangsa sapi Simmental Peranakan Ongole (SimPO) dan umur lebih dari 4 tahun mempunyai ukuran organ reproduksi terbesar. Perbedaan ukuran organ reproduksi pada sapi betina tergantung pada umur dan bangsa serta banyaknya beranak.

(Kata Kunci: Bangsa, Umur, Ukuran Organ Reproduksi, Sapi Potong Betina)

THE EFFECTS OF BREED AND AGE ON MEASURE OF FEMALE CATTLE REPRODUCTION ORGAN

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ABSTRACT

This research was conducted to determine the effects of breed and age on measure of female cattle reproduction organ in slaughterhouse of Waru District, Pamekasan Regency, East Java and slaughterhouse of Giwangan, Yogyakarta City on November 2009 until April 2010. Fifty seven female cattle was used to this research consisting 21 Maduranese, 15 Ongole Grade, 12 Limousin Ongole Grade and 9 Simmental Ongole Grade each into three group of ages. Data was analysed with variance analyse from Completely Randomized Design (CRD) factorial experiments (4X3) and continued Duncan's Multiple Range Test (DMRT). Mean of body weight of female cattle was 327.89 ± 34.51 kg, vulva length was 9.32 ± 2.24 cm, vagina length was 28.2 ± 2.44 cm, cervix length was 8.29 ± 1.22 cm, wide of cervix was 3.55 ± 0.63 cm, thick of cervix was 2.76 ± 0.45 cm, uteri length was 28.11 ± 3.62 cm, oviduct length was 21.86 ± 2.43 cm, ovary length was 3.14 ± 0.46 cm, wide of ovary was 2.1 ± 0.41 cm, and thick of ovary was 1.63 ± 0.37 cm. Conclusion from this research that breed of Simmental Ongole Grade and age of above 4 years had bigger reproduction organs. Measurement difference of female reproduction organ cattle dependent on age, breed and also purity.

(Key Words: Breed, Age, Measure of Reproduction Organ, Female Cattle)