

**EVALUASI KINERJA REPRODUKSI INDUK SAPI POTONG  
SIMMENTAL PERANAKAN ONGOLE (SimPO) DAN KEBERHASILAN  
INSEMINASI BUATAN DI KABUPATEN BOYOLALI**

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**INTISARI\***

Penelitian ini bertujuan untuk mengetahui kinerja reproduksi dan keberhasilan inseminasi buatan induk sapi potong Simmental Peranakan Ongole (SimPO) di Kabupaten Boyolali. Penelitian dilaksanakan pada bulan Juli sampai bulan Agustus 2020 di Kecamatan Nogosari, Kecamatan Simo, Kecamatan Andong wilayah Kabupaten Boyolali. Penelitian ini dilaksanakan dengan metode survei, penentuan sampel ditentukan berdasarkan rumus Slovin dari hasil perhitungan yang dihasilkan 100 sampel dari 10.715 peternak yang diambil secara acak. Variabel yang diamati yaitu identitas peternak, deteksi birahi, *Conception rate (CR)*, *Service per conseption (S/C)*, *Calving rate (C/R)*, *Calving interval*. Data dianalisis dengan menggunakan analisis deskripsi. Hasil penelitian menunjukkan umur peternak di kabupaten Boyolali rata-rata  $55,6 \pm 13.56$  tahun; pengalaman beternak 0-10 tahun 20%; 11-20 tahun 36%; 21-30 tahun 44%; deteksi birahi 78% dengan katagori baik; *Conception Rate* 73%; *Service per conseption*  $1,97 \pm 0.79$ ; *Calving Rate* 83,56%; *Calving interval*  $14,08 \pm 0.88$  bulan. Berdasarkan hasil penelitian disimpulkan bahwa kinerja reproduksi dan keberhasilan inseminasi buatan pada induk sapi SimPo di Kabupaten Boyolali sudah baik.

Kata Kunci : Kinerja reproduksi, sapi potong, Simmental, PO, IB

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**REPRODUCTIVE PERFORMANCE EVALUATION OF SIMMENTAL  
– ONGOLE CROSSBREED CATTLE AND THE SUCCESSFULLY OF  
ARTIFICIAL INSEMINATION IN BOYOLALI REGENCY**

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**ABSTRACT\***

This research aimed to evaluates the reproductive performance and the success of artificial insemination in Simmental - Ongole Crossbred Cattle in Boyolali Regency. This research was held on July until August 2020 in several districts in Boyolali were as follows Nogosari, Simo and Andong. This research used survey method and the sampling technic was based on solving formulas by taking 100 samples randomly from 10.715 farmers. The variables that observed in this research were farmer's identity, estrous detection, Conception Rate (CR), Service per Conception (S/C), Calving Rate (C/R) and Calving Interval. The data were analyzed by using descriptive analysis. The results of this research showed the averages of the farmers age in Boyolali regency were  $55,6 \pm 13.56$  years old; experience were 0 – 10 years 20%, 11 – 20 years 36%, 21 – 30 years 44%. The results of estrous detection percentage was 78% with good category; Conception Rate was 73%; the averages of Service per Conception were  $1,97 \pm 0.79$ ; Calving Rate was 83,56%; the averages of Calving Interval was  $14,08 \pm 0.88$  month. The result of this research indicates that the reproductive performance and the success rate of artificial insemination in Simmental - Ongole Crossbred Cattle in Boyolali Regency is in a good condition.

Keyword : Reproductive Performance, Cattle , Simmental – PO Crossbred, AI

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