

**PERFORMA REPRODUKSI SAPI PERAH *FRIESIAN HOLSTEIN*
EKS-IMPOR DAN KETURUNANNYA DI KABUPATEN KLATEN,
JAWA TENGAH**

INTISARI

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Data mengenai pengaruh generasi terhadap performa reproduksi sapi perah di Indonesia masih sedikit. Performa reproduksi dapat diketahui dengan melihat angka *service per conception* (S/C), *days open* (DO), *calving interval* (CI) dan *conception rate* (CR). Tujuan penelitian ini adalah untuk mengetahui performa reproduksi sapi perah *Friesian Holstein* (FH) eks-impor dan keturunannya yang berada di Kecamatan Jatinom, Kabupaten Klaten, Jawa Tengah.

Penelitian ini menggunakan 11 sapi perah *Friesian Holstein* eks-impor dari Australia dan 11 ekor sapi FH keturunannya yang masih dalam usia produktif. Metode yang digunakan adalah survei, yaitu melakukan wawancara dengan peternak dan observasi langsung di lapangan pada bulan Maret sampai dengan April 2019. Data yang dikumpulkan adalah S/C, DO, CI dan CR. Data yang diperoleh dianalisis menggunakan metode statistik uji t.

Hasil penelitian menunjukkan nilai parameter reproduksi sapi FH eks-impor dan keturunannya secara berturut-turut adalah S/C 2,3 dan 2,1 kali, DO $104,55 \pm 58,33$ dan $87,36 \pm 53,59$ hari, CI $384,55 \pm 58,33$ dan $367,36 \pm 53,59$ hari serta CR 18,2% dan 27,3%. Berdasarkan analisis statistik dapat disimpulkan bahwa performa reproduksi sapi FH eks-impor dan keturunannya tidak berbeda signifikan.

Kata kunci: sapi perah FH, *service per conception* (S/C), *days open* (DO), *calving interval* (CI), *conception rate* (CR)

REPRODUCTIVE PERFORMANCE OF EX-IMPORTED FRIESIAN HOLSTEIN DAIRY CATTLE AND THEIR OFFSPRING IN KABUPATEN KLATEN, JAWA TENGAH

ABSTRACT

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Data about the effect of generation on reproductive performance of dairy cattle were still limited. Reproductive performance could be discovered from service per conception (S/C), days open (DO), calving interval (CI) and conception rate (CR). The purpose of this research was to study the reproductive performance of ex-imported Friesian Holstein (FH) dairy cattle and their offspring that located in Kecamatan Jatinom, Kabupaten Klaten, Jawa Tengah.

This research used 11 ex-imported FH dairy cattle from Australia and 11 FH dairy cattle of their offspring that still in productive age. The method used was survey, which conducted by interviewing the farmers and direct observation in the field on March till April 2019. Data collected in this research were S/C, DO, CI and CR. The data were analyzed using statistical t-test.

The result of this research showed that reproductive performance of ex-imported FH dairy cattle and their offspring respectively were S/C 2.3 and 2.1 times, DO 104.55 ± 58.33 and 87.36 ± 53.59 days, CI 384.55 ± 58.33 and 367.36 ± 53.59 days, CR 18.2% and 27.3%. Based on statistical analysis, it could be concluded that reproductive performance of ex-imported FH dairy cattle and their offspring did not significantly different.

Keywords: FH dairy cattle, service per conception (S/C), days open (DO), calving interval (CI), conception rate (CR)