REPRODUCTIVE EFFICIENCY OF *LIMOUSIN* AND *SIMMENTAL* CROSS RESULTED FROM ARTIFICIAL INSEMINATION (AI) DURING 2012 IN NGORO, JOMBANG

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ABSTRACT

This research aimed to measure the reproductive efficiency of *Limousin* and *Simmental* cross resulted from AI in Ngoro Jombang during 2012 through defining *Conception Rates (CR)*, *Service per Conception (S/C), Calving Rate (CVR), Days open (DO), Calving Interval (CI)* and *Fertility Status (FS)*. Secondary data was obtained from inseminator's reproduction records of 50 *Limousin* cross cows and 50 *Simmental* cross cows. Data was analyzed using unpaired t-test and especially for *S/C* was analyzed using Mann Whitney (non-parametric). The results of this research showed no significant difference (p>0.05) on *CR*, *S/C*, *CvR* and *CI* between *Limousin* and *Simmental* cross cows. Meanwhile, there were significant difference (p<0.05) on *DO* and *FS* between *Limousin* and *Simmental* cross cows. The conclusion of this research was *CR*, *S/C*, *CVR* and *CI* of *Limousin* cross cows were as good as those of the *Simmental* cross cows. Meanwhile *DO* and *FS* of *Limousin* cross cows were better than those of the *Simmental* cross cows.

Key words : Efficiency of reproduction, artificial insemination, *Limousin*, *Simmental*