

REPRODUCTIVE'S EFFICIENCY OF MADURA CATTLE ARTIFICIAL INSEMINATION RESULT AT SUMENEP REGENCY IN 2012

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ABSTRACT

The purpose of this study was determine the reproductive's efficiency of Madura cattle artificial insemination results in Sumenep since 2012 that was seen from the parameter conception rate (CR), service per conception (S/C) and calving rate (C/R). The study was conducted using a survey method. Secondary data, reports a pregnancy and the birth of the calf during the reporting period of January to December 2012 obtained from the Animal Husbandry Departement of Sumenep. The data is taken from the report of inseminator in Batang-Batang district and Batuputih to represent the mainland and the island of Sepudi and Giliiyang whose represents the islands in Sumenep. The data were evaluated using descriptive analysis by calculating the mean and standard deviation and then processed using t test. At t test showed the average value of CR, S/C and C/ R on the mainland, respectively for $63,33 \pm 2,92$; $1,56 \pm 0,09$ and $63,09 \pm 6,28$. At the other hand the average value of CR, S/C and C/R on the islands of $61,34 \pm 6,16$; $1,61 \pm 0,19$ and $62,08 \pm 6,32$. The results of t test analysis showed no significant difference ($P > 0,05$) in both regions. Generally, the reproductive's efficiency of Madura cattle artificial insemination results in Sumenep classified to good.

Key words: conception rate (CR), service per conception (S/C), calving rate (C/R)