AGE CORRELATION ON REPRODUCTIVE EFFICIENCY OF DAIRY CATTLE OF AI ACCEPTOR IN KUD DADI JAYA PURWODADI PERIOD 2014

I Wayan Andama Sindhuranu

ABSTRACT

The aim of this research was to determine the correlation between age and reproductive efficiency of dairy cattle at KUD Dadi Jaya Pasuruan. This research used 360 out of 3,405 productive dairy cattle at KUD Dadi Jaya. Data obtained through primary data from age of dairy cattle by the teeth replacement (poel), feed, and disease, while secondary data such as births, artificial insemination and pregnancy, which was obtained through interviews with breeders and artificial insemination card. Data was processed using descriptive analysis to obtain the value of the Days Open (DO), Service per Conception (S/C), Calving Interval (CI), Conception Rate (CR), Calving Rate (CvR), and Fertility Status (FS). Data performed with Nonparametric Correlation and continued with Kendall’s W Test to show effect between age of dairy cattle to DO, S/C, CI and CR, CvR, FS. Results of that test was 0.956 that means age of dairy cattle has an effect to DO, S/C, CI as high as 95.6% and 0.925 to CR, CvR, FS that means age of dairy cattle has an effect to CR, CvR, FS as high as 92.5%. It can be concluded that age has a correlation to reproductive efficiency of dairy cattle at KUD Dadi Jaya Pasuruan.

Key Words : Dairy Cattle, Reproductive Efficiency, Age, Correlation