RELATION BETWEEN PARITY AND AGE WITH FERTILITY INDEX OF HOLSTEIN FRISIAN CROSS (PFH) DAIRY COWS AT VILLAGE UNIT COOPERATIVES (KUD) SRI WIGATI PAGERWOJO TULUNGAGUNG

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ABSTRACT

The purpose of this study was to determine whether there was a relation between parity and age Fertility Index of Holstein Frisian Cross (PFH) dairy cows at Village Unit Cooperatives (KUD) Sri Wigati Pagerwojo Tulungagung. The study used value Conception Rate (CR), Service per Conception (S/C), and Days Open (DO) as indicator of Fertility Index Holstein Frisian Cross (PFH) dairy cows. Data were taken used the survey method. Data of this survey was primary data interviews to farmers and secondary data originated from in seminator data recording at KUD Sri Wigati Pagerwojo Tulungagung. The study used 229 samples of PFH dairy cows, was divided into two different groups based on parity and ages. The level of parity in the study was divided into three different level (first, second and third) which is the number of parity level was 90, 74, and 65 PFH dairy cows. Meanwhile, based on the age the sample was divided into two different ages cluster it was 2-4 years and 5-7 years with the number was 148 and 81 PFH dairy cows. Data were analyzed using Correlasion. The experiment showed that fertility index for PFH dairy cows in first parity, second and third is 44.81%, 40.51% and 40.47%. Fertility index in age 2-4 years and 5-7 years is 45.33% and 35.82%. The analysis showed was not correlation between parity and age with Fertility Index p>0.05.

Keywords: parity, age, fertility index