Reproductive Performance of Dairy Cattle Artificial Insemination Results in the Area of Partnership PT. Greenfields Indonesia, Malang

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ABSTRACT

The aims of this research was to determine the effect of age, BCS, and parity on Reproductive Performance of Dairy Cattle in the Area of Partnership PT. Greenfields Indonesia, Malang. This experiment used 10% of 1,480 dairy cattle population in the region of partnership of PT. Greenfields Indonesia, Malang. Data were divided into primary and secondary data. Primary data were taken from farmers by interview to estimation of age, BCS, parity, feeding and disease, while secondary data such as birth, artificial insemination and pregnancy was obtained from records reproduction or IB card owned by each farmer. The data obtained were processed using descriptive analysis to get the number S/C, CR, CvR, DO, CI and FS. Do the Multiple Linear Regression Test to see a causal relationship between variables. Descriptive analysis of the results S/C 2.1, CR 32%, CvR 23%, DO 78 days, CI 402 days and FS CI 63.23. Multiple Linear Regression Test results obtained there is influence between BCS and CI.

Key words: dairy cattle, artificial insemination, reproductive performance