# CONCEPTION RATE AND SERVICE PER CONCEPTION OF DAIRY CATTLE ACCEPTOR ARTIFICIAL INSEMINATION IN KUD ARGOPURO KRUCIL DISTRICT PROBOLINGGO REGION

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## ABSTRACT

Reproduction is one of essential factor directly affecting profitability in a dairy production system. Some of the reproductive factors that influenced to the developing of dairy cattle of small holder's farmer are Conception Rate (CR) Service per Conception (S/C). The study was conducted to know the Conception Rate (CR) and Service per Conception (S/C) of Friesian Holstein in KUD Argopuro, Probolinggo. The data is taken primary and secondary data. Primary data retrieval is done by direct observation, which includes several variables, where the variables include : the identity of the breeder, cages, and feeding and drinking. As for the secondary data obtained by recording the card Artificial Insemination (AI) owned by Inseminator in KUD Argopuro. The data which by collected from this sample are Conception Rate (CR) and Service per Conception (S/C). This research was a case study. The materials used cattle as the acceptors were 10% from 728 lactation cattle. Data from the results of this research on Conception Rate (CR) (30%) and Service per Conception (S/C) (2,49). The conclusion of this research for Conception Rate (CR) were not good because the result were lower than normal and Service per Conception (S/C) were not good because the result were higher than normal.

Key Word : Reproductive efficiency, artificial insemination, Friesian Holstein