

Effectiveness of Giving *Human Chorionic Gonadotropin* (hCG) Hormones in Dairy Cattles that Have *Repeat breeder* on Pregnancy Occurrence in Tulungagung Regency

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ABSTRACT

This study aims to prove that hCG injection at the time of artificial insemination and five days post-artificial insemination in dairy cattles that have *repeat breeder* can cause pregnancy. This study used 30 dairy cattles that have *repeat breeder* . All dairy cattle samples were divided into two treatments, P1 using hCG at dose of 100 IU intramuscularly given at the time of artificial insemination and P2 using hCG at dose of 100 IU intramuscularly given at five days post-artificial insemination. The result were analyzed using Chi-Square test. Analysis using Chi-Square showed that all treatments caused pregnancy (100%). The conclusion of this study is hCG injection at the time of artificial insemination and five days post-artificial insemination in dairy cattles that have *repeat breeder* can cause pregnancy.

Keywords: *Repeat breeder*, hCG, Dairy cattles, Artificial insemination, and Pregnancy.