

CORRELATION BETWEEN BODY CONDITION SCORE (BCS) WITH MILK PRODUCTION OF HOLSTEIN FREISIAN DAIRY CATTLES (FH)

Melsa Netika

ABSTRACT

The aim of this research was to observe body condition score (BCS) and milk production of Friesian Holstein (FH) dairy cattles. A total number of cows were used for 114 and divided into 3 groups. Scoring on BCS was done trough the methods of observation and tactile palpation on fat deposit at various body parts covering for processus spinosus, processus spinosus to processus transversus, processus transversus, tuber coxae (hooks), tuber coxae - tuber ischiadicus (pins), tuber coxae left - right, and hin to tuber ischiadicus. Scoring BCS was done within the ranges from 1 (very thin) to 9 (very fat) .Data of BCS and milk production were analyzed descriptively. The result of data analysis test using analysis methods regression showed $Y = 6.62 + 5.54x - 5.78x^2$. Coefficient of determination (R^2) of 20,6 this mean any increase in milk production by 20.6% is affected by BCS. It can be concluded that there is a correlation between Body Condition Score (BCS) and milk production. The higher BCS the lower milk production. While in ideal BCS the production of milk is optimize.

Key Word: Body Condition Score, Milk Production, Holstein-Friesian Female