ABSTRACT

Relationship Between Birth Weight, Age of First Service, First Calving and Circumference of Sternum FH Heifers at Kelompok Tani Al-Barokah, Cisarua, Bandung

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Genetic parameters of body weight is associated with milk production, genetic correlations of body weight and milk production of high positive value. Direct connection of a production capability of dairy cows is closely related to body weight.

High correlation values are between the age of first breed by age of first birth and birth weight in a month old bust of each 0.471 and 0.645. Between age of first breed by age of first birth has genetic elements that affect each other so that there is something fairly close relationship. Additionally due to the closeness of the relationship during pregnancy is relatively the same nine months.

Coefficient correlation were significant also found between circumference of sternum at present measurement and the next two month of measurement. This cloud be used to improve or correct farm management on the farm by predicting the next two month circumference of sternum after measuring. The next two month of body weight can be estimated by using and converting with gordaz tape.

Keywords: Birth Weight, Age of First Breed, Age at First Calve and Circumference of Sternum