

**CORRELATION BETWEEN STATISTICAL VITAL MEASUREMENT
AND MILK PRODUCTION OF ETAWA CROSSBRED GOATS IN
“MANDIRI” FARMER GROUPS NGANGGRING,
GIRIKERTO, SLEMAN**

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ABSTRACT ^{*)}

This research aimed to know the correlation between statistical vital measurement and production of Etawa crossbred goat (PE) in “mandiri” farmer group Nganggring, Girikerto, Sleman. This research used 50 lactation Etawa crossbred goats, grouped by lactation, first lactation, second, and third lactation. This research method used survey with correlational descriptive analysis design, to express the correlative relationship between independent and dependent variables. The observation variable were body length, height, chest circumference, large udder and milk production of Etawa crossbred goat. The result of this research of the four variables have a correlation of R = 64.9% of milk production, with a comparison value of each Body Length of 21.1% with a significance value 0.003 (P <0.01), Height 13.86% with significance value 0.072 (P > 0.05), Chest Circumference 24.9% with a significance value 0.004 (P <0.01), and Udder Large 41.15% with a significance value 0,000 (P <0.01). The regression line equation was $Y = 1102,498 + 21,123 X_1$, $Y = 1102,498 + 13,680 X_2$, $Y = 1102,498 + 24,988 X_3$, $Y = 1102,498 + 41,159 X_4$. It was concluded that relationship between body length, height, chest circumference, udder large and milk production of Etawa crossbred goat Nganggring, Girikerto, Sleman.

Keywords: Body Length, Height, Chest Circumference, Udder Large, Milk Production, Etawa crossbred goats.

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