

RELATIONSHIP BETWEEN REPRODUCT PERFORMANCE AND MILK PRODUCTION OF ETAWAH CROSSBRED DOE IN THE “MANDIRI” FARMER GROUP IN NGANGGRING VILLAGE GIRIKERTO SLEMAN

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ABSTRACT*

This study aims to determine the correlation between the age of first mating, age of first partus, and kidding interval distance to milk production of Etawah crossbreed goat (PE) in the “Mandiri” farmer group Nganggring Girikerto Turi Sleman Yogyakarta. The research material used was 53 lactation PE goats. This study uses a *Descriptive correlational analytic* design to reveal *correlative* relationships between independent and dependent variables. The variables observed were age of first breeding, age of first kidding, kidding distance and mil5 ($P < 0.05$) regression line equation $Y = a + bx_2 = 383,417 + 25,658x$, X regression production of etawah crossbreed goat (PE). The results of this study indicate that there is a regression coefficient of the first breeding age variable (X1) of 35.607 with a significance value of 0.005 ($P < 0.05$) regression line equation $= a + bx_1 = 383,417 + 24,215x$, a regression coefficient of the first kidding variable (X2) of 64.847 with a significance value of 0.00 coefficient of kidding distance variable (X3) of 141,804 with a significance value of 0,000 ($P < 0.05$) regression line equation $Y = a + bx_1 = 383,417 + 41,804x$. It was concluded that there was a significant correlation between age of first breeding, age of first kidding and kidding distance with milk production in PE goats in the Nganggring Independent Farmers Group, Girikerto Village, Turi District, Sleman Regency, Yogyakarta.

Keywords: Age of first mating, age of first partus, kidding interval, etawah crossbreed goat milk production (PE).

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