

EFFECT OF *LITTER SIZE* TOTAL WEIGHT OF BIRTH AND MILK
PRODUCTION OF CROSS BREED GOATS

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ABSTRACT

This research aims to determine the Litter Size of the birth weight and the goat milk production at the UPT and HM of the Etawa Farm in Singosari-Malang. The samples of this research are 20 goats that 10 of them are the newborn goats, both twin-born and single-born. The birth weight of the newborn goats measured using a hanger scale. The researcher put the newborn goats which were twin-born and single-born into the sack then the researcher separated them using the hook on the scale, then the newborn goats weighed one by one. The researcher measured the volume of milk production per goat, both twin-born and single-born, using a measuring cup as a milk production tool. The researcher milked the goat once a day at 7:00 a.m in the morning. The researcher used the whole hand method (all fingers). The milk collected in a measuring cup, therefore the researcher observed the milk volume. The result showed us that the effect of the Litter Size toward the birth weight did not have a significant impact ($p > 0.05$). The birth weight of the twin-born goats was 3.14 kg, while the single-born goat was 3.31 kg. The Litter Size effect showed us that the existence of the milk production effect ($P < 0.05$). The total of milk production of the twin-born goats was 371,550 liters while the single-born goat was 342,350 liters. The production total obtained from one lactation period during the first of the six months.

Keywords: Birth Weight ,Milk Production, cross breed goats