

**PENGARUH *LITTER SIZE* DAN BOBOT INDUK
TERHADAP PRODUKSI SUSU, LAMA LAKTASI
DAN MASA KERING KAMBING KALIGESING
DI KECAMATAN KALIGESING
KABUPATEN PURWOREJO**

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INTISARI*

Penelitian mengenai pengaruh *litter size* dan bobot induk terhadap produksi susu, lama laktasi dan masa kering telah dilaksanakan. Tujuan penelitian untuk mengetahui besarnya pengaruh hubungan antara *litter size* dan bobot induk yang meliputi lama laktasi, produksi susu dan masa kering. Metode penelitian yang dilakukan adalah dengan metode survei, dan data dianalisis dengan analisis korelasi sederhana. Sampel yang digunakan dalam penelitian ini adalah 100 ekor kambing Kaligesing betina. Hasil penelitian menunjukkan bahwa dari pengaruh hubungan tersebut memiliki tingkat pengaruh hubungan yang berbeda. Rata – rata *litter size* 2,04 ekor dan rata- rata produksi susu 896,99 ml memiliki pengaruh hubungan 0,598, lama laktasi dengan rata – rata 3,24 bulan memiliki hubungan sebesar 0,106, masa kering dengan rata – rata 5,51 bulan memiliki pengaruh hubungan sebesar 0,021, sedangkan untuk bobot induk rata – rata 44,77 kg dan rata- rata produksi susu 896,99 ml memiliki pengaruh hubungan 0,662, lama laktasi dengan rata – rata 3,24 bulan memiliki hubungan 0,129, masa kering dengan rata – rata 5,51 bulan memiliki pengaruh hubungan 0,013. Disimpulkan bahwa *litter size* berkorelasi positif terhadap produksi susu dan masa kering tetapi berhubungan negatif terhadap lama laktasi sedangkan bobot induk berkorelasi positif terhadap produksi susu tetapi berhubungan negatif terhadap lama laktasi dan masa kering.

Kata kunci : kambing Kaligesing, *litter size*, bobot induk, produksi susu, lama laktasi, masa kering.

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EFFECT OF *LITTER SIZE* AND DOE WEIGHT ON MILK PRODUCTION, LACTATION LENGHT, AND DRY PERIOD OF KALIGESING GOAT IN KALIGESING DISTRICT PURWOREJO REGENCY

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ABSTRACT*

Research has been carried out on the effect of *litter size* and doe weight on milk production, lactation lenght and dry period. This study aimed to determine the effect of the relationship between *litter size* and doe weight on lactation length, milk production and dry period. The research method used was a survey method, and the data were analyzed by simple correlation analysis. The sample used in this study were 100 female Kaligesing goats. The result showed that the influence of the relationship had a different level of influence. The average *litter size* of 2.04 heads and the average milk production of 896.99 ml had a correlation effect of 0.598, lactation lenght with an average of 3.24 months had a relationship of 0.106, the dry period with an average of 5.51 months have an effect on the relationship of 0.021, while for the average doe weight 44.77 kg and the average milk production 896.99 ml had a relationship effect of 0.662, lactation lenght with an average of 3.24 months had a relationship 0.129, dry period with an average of 5.51 months has a relationship effect of 0.013. It was concluded that *litter size* was positively correlated with milk production and dry period but negatively related on lactation lenght while doe weight was positively correlated with milk production but negatively related on lactation lenght and dry period.

Keywords: Kaligesing Goat, *litter size*, Doe Weight, Milk Production, Lactation Lenght, Dry Period.

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