

PERFORMANCE OF BEEF CATTLE REPRODUCTION IN DIFFERENT AGE AND BREED

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Abstract*)

This study aimed to determine the performance of beef cattle reproduction in different age and breed. the reproductive performance of beef cattle aged 3-9 years. The method used was survey method in Ngemplak district, Sleman Regency, Yogyakarta. The observed variable were Service per conception, Age to first pregnancy, pregnancy post partum, Calving interval. Sampling used the Slovin formula. The data obtained were analyzed by regression correlation to know the relationship between age and breed on reproductive performance of beef cattle. The results showed that the reproductive performance of S / C beef cattle for 'PO', Limousin, Simmental each was 2.53 ± 2.01 , 2.46 ± 1.46 , 2.57 ± 2.14 , Based on the analysis showed a significant effect between age (X) on S / C (Y) with line equation ($Y = 2.290 - 0.095 X$). Age to first pregnancy 19.53 ± 4.01 , 20.09 ± 4.14 , 19.85 ± 2.60 , pregnant post partum 5.34 ± 3.56 , 4.46 ± 2.45 , 3.57 ± 0.78 , CI 14.36 ± 3.57 , 13.43 ± 2.4 , 12.57 ± 0.78 ($Y = 19.427 - 0.075 X$, $Y = 0.027 - 1.020X$, $Y = 0.027 - 1.020X$), no real effect. It was concluded that limousine and simmental cattle had better reproductive performance than ongole breeds, age had no effect on reproductive performance of cow at > 5 years of age except service per conception.

Keywords: Beef Cattle, Age, Breed, Performance Reproductive

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