HUBUNGAN ANTARA KINERJA REPRODUKSI DENGAN *BODY CONDITION SCORE* SAPI POTONG DI KABUPATEN SLEMAN

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INTISARI*

Penelitian ini bertujuan untuk mengetahui hubungan kinerja reproduksi dengan *Body Condition Score* (BCS) sapi potong di Kabupaten Sleman. Penelitian ini dilakukan pada bulan Maret-April 2022. Metode yang dilakukan adalah dengan metode survey yang dianalisis secara deskriptif dan regresi. Variabel yang diamati adalah identitas responden, kinerja reproduksi dan *Body Condition Score* (BCS). Hasil penelitian identitas responden menujukkan rata-rata umur peternak 50,20 tahun, pekerjaan pokok petani 66%, wiraswasta 18%, buruh 12% dan PNS 4%, pengalaman beternak rata-rata 22,00 tahun, tingkat pendidikan tidak sekolah 7%, SD 43%, SMP 20%, SMA 23% dan S1 7, konsumsi pakan 8,46 BK/kg/hari/UT dan 1,47 PK/kg/hari. Hasil kinerja reproduksi menunjukkan umur pertama kawin 22,06 bulan, *calving interval* (CI) 15,45 bulan, *service per concaption* (S/C) 1,84, *Body Condition Score* (BCS) 2,88. Hubungan *Body Condition Score* (BCS) dengan *Service Per Conception* (S/C) dan *Calving Interval* (CI), Hasil korelasi menunjukan adanya pengaruh antara *Body Condition Score* (BCS) terhadap *service per concaption* (S/C) dengan persamaan regresi Y=5,64-1,32 x, *Body Condition Score* (BCS) terhadap *calving interval* (CI) dengan persamaan regresi Y=21,38-2,10 x, Nilai R *Body Condition Score* (BCS) terhadap *service per concaption* (S/C) 0,54 dan nilai R *Body Condition Score* (BCS) terhadap *calving interval* (CI) 0,48. Disimpulkan bahwa *Body Condition Score* (BCS) berkorelasi dengan kinerja reproduksi sapi potong. Kinerja reproduksi sapi potong yang bagus sekitar BCS 2,88.

Kata Kunci : Sapi Potong, Identitas Peternak, Kinerja Reproduksi, Body Condition Score, Kabupaten Sleman

RELATIONSHIP BETWEEN REPRODUCTION PERFORMANCE WITH *BODY CONDITION SCORE* OF BEEF CATTLE IN SLEMAN REGENCY

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ABSTRACT*

This study aims to determine the relationship between reproductive performance and Body Condition Score (BCS) of beef cattle in Sleman Regency. This research was conducted in March-April 2022. The method used was a survey method which was analyzed descriptively and regression. The variables observed were respondent identity, reproductive performance and Body Condition Score (BCS). The results of the research on the identity of the respondents show that the average age of farmers is 50.20 years, the main occupation of farmers is 66%, entrepreneurs are 18%, workers are 12% and civil servants are 4%, the experience of raising livestock is 22.00 years on average, education level is not schooling 7%, SD 43%, SMP 20%, SMA 23% and S1 7, feed consumption is 8.46 PK/kg/day/UT and 1.47 PK/kg/day. The results of reproductive performance showed age at first marriage was 22.06 months, calving interval (CI) 15.45 months, service per concaption (S/C) 1.84, Body Condition Score (BCS) 2.88. The relationship between Body Condition Score (BCS) with Service Per Conception (S/C) and Calving Interval (CI), The correlation results show that there is an influence between Body Condition Score (BCS) on service per concaption (S/C) with the regression equation Y=5 ,64-1,32 x, Body Condition Score (BCS) on calving interval (CI) with regression equation Y=21,38-2,10 x, R Body Condition Score (BCS) for service per concaption (S/C)) 0.54 and the value of R Body Condition Score (BCS) to the calving interval (CI) 0.48. It was concluded that the Body Condition Score (BCS) correlated with the reproductive performance of beef cattle. The reproductive performance of beef cattle is good around BCS 2.88.

Keywords: Beef Cattle, Farmer Identity, Reproductive Performance, Body Condition Score, Sleman Regency.