

**HUBUNGAN KINERJA REPRODUKSI DENGAN *BODY CONDITION SCORE* (BCS) SAPI POTONG DI KECAMATAN KALIBAWANG
KABUPATEN KULON PROGO**

**ARIEF BAGAS YUDHA ANUGRAHA
NIM : 16021095**

INTISARI^{*)}

Penelitian ini bertujuan untuk mengetahui hubungan kinerja reproduksi dengan *Body Condition Score* (BCS) sapi potong di Kecamatan Kalibawang. Materi penelitian yang digunakan adalah peternak sapi potong yang terhimpun sebagai anggota kelompok peternak aktif yang berada di Kecamatan Kalibawang. Penelitian ini menggunakan 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 menunjukkan mayoritas usia peternak 41-50 tahun, tingkat pendidikan SD 67,14%, SMP 21,47%, SMA 11,42%, tujuan beternak sebagai usaha sampingan 91,42%, sebagai usaha utama 8,57%, mayoritas pengalaman beternak 10-30 tahun, kepemilikan ternak 1 UT, konsumsi pakan 7,08 BK/kg/hari/UT. Hasil kinerja reproduksi menunjukkan umur pertama birahi 20,98 bulan, umur kawin pertama 23,92 bulan, *calving interval* (CI) 13,01 bulan, *post partum estrus* (PPE) 2,86 bulan, *post partum mating* (PPM) 3,86 bulan, umur sapih 3,91, *service per conception*(S/C) 1,25, *Body Condition Score* (BCS) 3,05. Hubungan *Body Condition Score* (BCS) dengan *Service Per Conception* (S/C), *Calving Interval* (CI), *Post Partum Estrus* (PPE), dan *Post Partum Mating* (PPM) dengan nilai berturut-turut sebesar = 0,93, 0,71, 0,34, dan 0,38. Disimpulkan bahwa kinerja reproduksi sapi potong di Kecamatan Kalibawang perlu ditingkatkan dan hubungan kinerja reproduksi dengan *Body Condition Score* (BCS) sapi potong di kecamatan Kalibawang antara *body condition score* dengan *service per conception*, *calving interval*, *post partum estrus*, dan *post partum mating* dengan nilai R berturut – turut sebesar = 0,011, 0,045, 0,116, dan 0,102.

Kata Kunci : Sapi Potong, Identitas Peternak, Kinerja Reproduksi, *Body Condition Score*, Kecamatan Kalibawang

^{*)}Intisari Skripsi Sarjana Peternakan, Progam Studi Peternakan, Fakultas Agroindustri, Universitas Mercu Buana Yogyakarta, 2020.

**RELATIONSHIP BETWEEN REPRODUCTIVE PERFORMANCE
AND *BODY CONDITION SCORE* (BCS) OF BEEF CATTLE IN
KALIBAWANG DISTRICT KULON PROGO REGENCY**

**ARIEF BAGAS YUDHA ANUGRAHA
NIM : 16021095**

ABSTRACT^{*)}

This research aims to determine the relationship between reproductive performance and the Body Condition Score (BCS) of beef cattle in Kalibawang District. The research material used is beef cattle breeders who are members of the active breeders group in Kalibawang District. This research used survey methods which were analyzed descriptively and regression. The variable observed were respondent's identity, reproductive performance and Body Condition Score (BCS). The result of the research showed that the majority of respondents showed the age of farmers 41-50 years, elementary school education level 67.14%, junior high school education level 21.47%, high school education level 11.42%, the purpose of raising livestock as a side business 91.42%, main business 8.57%, majority experience raising 10-30 years, livestock possession 1 UT, feed consumption 7.08 BK/kg/day/UT. The result of reproductive performance showed the first of estrus age 20.98 months, first mating age 23.92 months, calving interval (CI) 13.01 months, post partum estrus (PPE) 2.86 months, post partum mating (PPM) 3.86 months, weaning age 3.91, service per conception (S/C) 1.25, body condition score (BCS) 3.05. Relationship between Body Condition Score (BCS) and Service Per Conception (S/C), Calving Interval (CI), Post Partum Estrus (PPE), and Post Partum Mating (PPM) with consecutive of values = 0.93, 0, 71, 0.34, and 0.38. It was concluded that the reproductive performance of beef cattle in Kalibawang District needs to be improved and the relationship between reproductive performance and Body Condition Score (BCS) of beef cattle in Kalibawang District between body condition score and service per conception, calving interval, post partum estrus, and post partum mating with a value of R in a row = 0.011, 0.045, 0.116, and 0.102.

Keywords: Beef Cattle, Respondent's Identity, Reproductive Performance, Body Condition Score, Kalibawang District

^{*)}Abstract From Thesis of Animal Husbandry Degree, Faculty Agroindustry University of Mercu Buana Yogyakarta, 2020.

