

ABSTRAK

RIZKIA AMANDA PUTRI. Hubungan Produksi Susu dengan *Body Condition Score* (BCS) Ternak Sapi Perah di Kelompok Tani Ternak Margo Mulyo, Kecamatan Baturraden, Kabupaten Banyumas. Penelitian dilaksanakan pada tanggal 17 Maret 2019 sampai dengan 26 Mei 2019. Tujuan dari penelitian ini yaitu 1) Mengetahui produksi susu dan *Body Condition Score* (BCS) ternak sapi perah di Kelompok Tani Ternak Margo Mulyo, Kecamatan Baturraden, Kabupaten Banyumas dan 2) Mengetahui hubungan antara produksi susu dan *Body Condition Score* (BCS) ternak sapi perah di Kelompok Tani Ternak Margo Mulyo, Kecamatan Baturraden, Kabupaten Banyumas. Penelitian dilaksanakan menggunakan metode *survey* terhadap ternak sapi perah. Pengambilan sampel wilayah menggunakan metode *purposive sampling* dan sampel responden diambil secara sensus dengan jumlah 30 responden. Responden yang diambil yaitu seluruh Ternak Sapi Perah di Kelompok Tani Ternak (KTT) Margo Mulyo di Kecamatan Baturraden Kabupaten Banyumas. Variabel *independent* (bebas) yang diamati adalah *Body Condition Score* (BCS) (X), serta variabel *dependent* (terikat) yang diamati adalah Produksi Susu (Y). Hasil penelitian produksi susu pada kelompok peternakan Margo Mulyo Baturraden memiliki rata-rata $12,90 \pm 4,48$ serta rata-rata *Body Condition Score* (BCS) $2,87 \pm 0,18$. Hubungan antara Produksi Susu dengan *Body Condition Score* (BCS) pada kelompok peternakan Margo Mulyo Baturraden dapat diformulasikan sebagai $Y = 0,9213x + 15,552$. Besarnya nilai korelasi adalah $R = 0,030$, maka dapat diinterpretasikan hubungan kedua variabel antara produksi susu dan *Body Condition Score* sangat lemah. Koefisien determinasi/nilai R^2 0,1% yang dapat diartikan bahwa *Body Condition Score* memiliki pengaruh hanya sebesar 0,1%. Kesimpulan penelitian adalah hubungan antara produksi susu dan *Body Condition Score* (BCS) dikategorikan sangat lemah.

Kata kunci: sapi perah laktasi, produksi susu, *Body Condition Score* (BCS)

ABSTRACT

RIZKIA AMANDA PUTRI. Correlation of Milk Production with Body Condition Score (BCS) Dairy cattle in Mulyo Margo Livestock Farmers Group, Baturraden subdistrict, Banyumas. Research was conducted on March 17, 2019 until May 26, 2019. The purpose of this study is 1) Knowing the production of milk and Body Condition Score (BCS) of Dairy cattle in group Livestock Farmers Margo Mulyo, District Baturraden, Banyumas and 2) know the correlation between milk production and Body Condition Score (BCS) of Dairy cattle in group Livestock Farmers Margo Mulyo Baturraden subdistrict, Banyumas. The experiment was conducted using a survey of dairy cattle. The sampling area using purposive sampling method and sample of respondents was taken by census with the number of 30 respondents. Respondents were taken that the entire Dairy cattle in Livestock Farmers Group (KTT) Margo Mulyo in District Baturraden Banyumas. The independent variable (independent) were observed Body Condition Score (BCS) (X), as well as the dependent variable (dependent) were observed Milk Production (Y). 12.90 ± 4.48 and the mean Body Condition Score (BCS) of 2.87 ± 0.18 . The correlation between Milk Production with Body Condition Score (BCS) group Mulyo Baturraden Margo farms can be formulated as $Y = 0,9213x + 15.552$. The magnitude of the correlation value is $R = 0.030$, it can be interpreted in two variables correlation between milk production and very weak Body Condition Score, The coefficient of determination / R^2 value of 0.1%, which means that the Body Condition Score has the effect of only 0,1%. The conclusion is the correlation between milk production and Body Condition Score (BCS) categorized as very weak.

Keywords: Dairy cattle lactation, milk production, Body Condition Score (BCS)