

STUDI KORELASI BOBOT DAN UKURAN TUBUH AYAM MERAWANG SEMBAWA x KUB BOGOR F3 PADA FASE STARTER TERHADAP BOBOT UMUR 10 MINGGU

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INTISARI

Penelitian ini bertujuan untuk mengetahui korelasi bobot badan dan ukuran tubuh antara ayam Merawang Sembawa x KUB Bogor F3 fase *starter* terhadap bobot umur 10 minggu. Penelitian ini menggunakan 80 ekor ayam hasil dari persilangan ayam Merawang Sembawa dan KUB Bogor. Variabel yang diamati adalah bobot badan dan ukuran tubuh yang terdiri dari lebar dada, lingkaran dada, panjang *shank*, dan panjang sayap. Penelitian ini berlangsung di Kapanewon Semanu, Kabupaten Gunungkidul, Daerah Istimewa Yogyakarta. Penelitian dilakukan pada bulan September hingga Desember 2024. Analisis data dilakukan menggunakan korelasi dengan uji *Pearson Product Moment* dan dibantu menggunakan aplikasi SPSS *Statistics 26*. Korelasi yang diukur adalah bobot badan, lebar dada, panjang *shank*, lingkaran dada, dan panjang sayap pada umur 2, 4, 6 minggu terhadap bobot badan umur 10 minggu. Terdapat beberapa variabel korelasi yang bernilai kuat ($P < 0,01$) yaitu bobot badan umur 10 minggu terhadap bobot badan umur 6 minggu (0,86), bobot badan umur 10 minggu terhadap lebar dada umur 6 minggu (0,68), bobot badan umur 10 minggu terhadap panjang *shank* umur 6 minggu (0,62), dan bobot badan umur 10 minggu terhadap lingkaran dada umur 6 minggu (0,71). Terdapat tiga korelasi yang nilainya lemah yaitu bobot badan umur 10 minggu terhadap panjang sayap umur 2 minggu (0,10), bobot badan umur 10 minggu terhadap panjang *shank* umur 2 minggu (0,29), dan bobot badan umur 10 minggu terhadap lingkaran dada umur 2 minggu (0,12). Meskipun lemah, namun masih terdapat korelasi terhadap variabel tersebut. Kesimpulan dari penelitian ini adalah adanya korelasi antara bobot badan umur 10 minggu dengan bobot badan dan ukuran tubuh meliputi lebar dada, panjang *shank*, lingkaran dada dan panjang sayap umur 2, 4, 6 minggu.

Kata kunci : Korelasi, Merawang Sembawa, KUB Bogor, Persilangan

**STUDY OF THE CORRELATION OF WEIGHT AND BODY SIZE OF
MERAWANG SEMBAWA x KUB BOGOR F3 CHICKEN IN THE
STARTER PHASE TO WEIGHT AT 10 WEEKS AGE**

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ABSTRACT

This study aimed to determine the correlation of body weight and body size between Merawang Sembawa x KUB Bogor F3 chickens in the starter phase to 10 weeks old weight. This study used 80 chickens resulting from the crossing of Merawang Sembawa and KUB Bogor chickens. The observed variables were body weight and body size consisting of breast width, breast circumference, shank length, and wing length. This research took place in Kapanewon Semanu, Gunungkidul Regency, Yogyakarta Special Region. The research was conducted from September to December 2024. Data analysis was carried out using correlation with the Pearson Product Moment test and assisted using the SPSS Statistics 26 application. The correlation measured was body weight, chest width, shank length, chest circumference, and wing length at 2, 4, 6 weeks of age to body weight at 10 weeks of age. There were several variables with strong correlations ($P < 0.01$), namely 10-week-old body weight to 6-week-old body weight (0.86), 10-week-old body weight to 6-week-old chest width (0.68), 10-week-old body weight to 6-week-old shank length (0.62), and 10-week-old body weight to 6-week-old chest circumference (0.71). There were three weak correlations: 10-week-old body weight to 2-week-old wing length (0.10), 10-week-old body weight to 2-week-old shank length (0.29) and 10-week-old body weight to 2-week-old chest circumference (0.12). Although weak, there is still a correlation between these variables. The conclusion of this study is that there is a correlation between 10-week-old body weight and body size including chest width, shank length, chest circumference and wing length at 2, 4 and 6 weeks of age.

Key Words: Correlation, Merawang Sembawa, Bogor KUB, Crosses