

## PERBANDINGAN PERFORMA SIFAT KUANTITATIF AYAM KAMPUNG UNGGUL BALITBANGTAN (KUB) BERDASARKAN PERBEDAAN WARNA BULU

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### INTISARI

Penelitian ini bertujuan untuk mengamati sifat kuantitatif berdasarkan warna bulu serta untuk mengetahui pengaruh dari pengelompokan warna terhadap performa ayam Kampung Unggul Balitbangtan (KUB). Ayam KUB dipelihara dalam manajemen pemeliharaan yang sama selama 70 hari (10 minggu) sebanyak 79 ekor yang dikelompokkan menjadi 6 warna, diantaranya Abu-Abu (AA), Coklat-Merah (CM), Hitam-Putih (HP), Hitam (H), Hitam-Coklat (HC) dan Kombinasi atau *Mix* (M). Sifat kuantitatif ayam KUB yang diamati antara lain bobot badan dan ukuran tubuh (lebar dada, lingkar dada, panjang sayap, dan panjang *shank*), yang diukur dan dicatat setiap pengelompokan warna bulu. Pencatatan data dilaksanakan selama 10 minggu dengan masing-masing sebanyak 10 kali pengukuran setiap minggu. Pengelompokan warna AA, CM, HP, H, HC dan M terdapat fase *starter* dari umur DOC, 2, dan 4 minggu serta fase *grower* dari umur 6, 8, dan 10 minggu. Data yang diperoleh ditabulasi lalu dianalisis menggunakan analisis variansi pola searah untuk mengetahui perbedaan performa sifat kuantitatif antar kelompok warna. Hasil penelitian menunjukkan bahwa bobot badan dan ukuran tubuh (lebar dada, lingkar dada, panjang sayap, dan panjang *shank*) pada fase *starter* dan *grower* tidak beda nyata ( $P > 0,05$ ) antar kelompok warna bulu. Kesimpulan dari penelitian ini yaitu sifat kuantitatif berdasarkan pengelompokan warna yaitu performa bobot badan, ukuran tubuh, lebar dada, lingkar dada, panjang sayap dan panjang *shank* memiliki hasil yang bervariasi, sehingga tidak ada pengaruh sifat kuantitatif terhadap warna bulu.

Kata kunci: Ayam KUB, Data kuantitatif, Warna bulu ayam

## PERFORMANCE COMPARISON OF QUANTITATIVE TRAITS KAMPUNG UNGGUL BALITBANGTAN (KUB) CHICKEN BASED ON THE DIFFERENCE FEATHER COLOR

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### ABSTRACT

This study aims to observe quantitative characteristics based on feather color and to determine the effect of color grouping on the performance of Kampung Unggul Balitbangtan (KUB) chickens. KUB chickens were kept under the same management breeding for 70 days (10 weeks) with a total of 79 chickens grouped into 6 colors: Gray (AA), Brown-Red (CM), Black-White (HP), Black (H), Black-Brown (HC), and Combination or Mix (M). The quantitative characteristics of KUB chickens observed include body weight and body size (chest width, chest circumference, wing length, and shank length), which were measured and recorded in each feather color group. Data collection was conducted over 10 weeks with 10 measurements taken each week. The color groups AA, CM, HP, H, HC, and M were in the starter phase at DOC age, 2 weeks, and 4 weeks, and in the grower phase at 6 weeks, 8 weeks, and 10 weeks. The obtained data were tabulated and analyzed using one-way analysis of variance to determine the significant differences in quantitative characteristics performance among the feather color groups. The results showed that there were no significant differences ( $P > 0.05$ ) in body weight and body size (chest width, chest circumference, wing length, and shank length) in the starter and grower phases among the feather color groups. The conclusion of this study is that the quantitative characteristics based on feather color grouping, including body weight, body size, chest width, chest circumference, wing length, and shank length, had varied results, indicating no effect of quantitative characteristics on feather color.

Keywords: KUB chicken, Quantitative data, Feather color