

STUDI KARAKTERISTIK STATUS FAALI AYAM KAMPUNG UNGGUL BALITBANGTAN (KUB) BERDASARKAN WARNA BULU YANG BERBEDA

**Ghalib Pilar Alam
16/399126/PT/07244**

INTISARI

Penelitian ini dilakukan untuk meninjau performa status faali ayam Kampung Unggul Balitbangtan (KUB) berdasarkan warna bulu. Ayam KUB betina umur 18 minggu (112 hari) sebanyak 60 ekor. Dimana 60 ekor dibagi menjadi 6 pengelompokan warna, yang terdiri atas kelompok warna abu-abu, hitam putih, coklat kemerahan, hitam, hitam kecoklatan dan campuran (*mix*). Penelitian dilakukan di kandang ayam Balai Penyuluh Pertanian (BPP) dinas Pertanian Pakem, Sleman, Yogyakarta. Data status faali meliputi *pulsus*, *temperatur rektal*, dan *respirasi* diukur dan dicatat disetiap pengelompokan warna bulu. Pengumpulan data dilakukan selama 8 minggu dengan 3 kali pengulangan yang dilakukan setiap minggu. Selanjutnya data tersebut dianalisa menggunakan analisis variansi pola searah untuk mengetahui apakah terdapat perbedaan performa status faali di setiap kelompok warna. Untuk membedakan performa antara enam kelompok warna, dilakukan uji lanjut menggunakan *Duncan Multiple Range Test* (DMRT). Hasil penelitian menunjukkan bahwa respirasi ayam KUB kelompok warna mix pada minggu ke 21, warna hitam coklat dan abu-abu pada minggu ke 22, serta warna abu-abu pada minggu ke 23 jumlah frekuensi pernafasan berbeda nyata lebih tinggi dibanding dengan warna yang lain ($P < 0,05$). warna hitam coklat pada minggu ke 22 dan coklat merah pada minggu ke 23 hasil pulsusnya berbeda nyata lebih tinggi dibanding dengan warna lain ($P < 0,05$). warna mix pada minggu ke 26, warna hitam coklat dan abu-abu pada minggu ke 22, serta warna abu-abu pada minggu ke 23 jumlah frekuensi pernafasan berbeda nyata lebih tinggi dibanding dengan warna yang lain ($P < 0,05$). Berdasarkan hasil penelitian dapat dikatakan bahwa status faali ayam KUB dari warna bulu yang berbeda masih dalam kisaran normal.

Kata kunci: Ayam Kampung Unggul Balitbangtan, Warna bulu, status faali, respirasi, pulsus, temperatur rektal.

STUDY OF CHARACTERISTICS OF THE FAALIS STATUS OF KAMPUNG UNGGUL BALITBANGTAN (KUB) CHICKEN BASED ON DIFFERENT COLORS OF FEATHER

**Ghalib Pilar Alam
16/399126/PT/07244**

ABSTRACT

This study was conducted to examine the physiological status of the Kampung Unggul Balitbangtan (KUB) chicken based on feather color. There were 18 female KUB chickens aged 18 weeks (112 days). Where 18 tails were divided into 6 color groupings, which consisted of groups of gray, black and white, reddish brown, black, brownish black, and mixed. The research was conducted in the chicken coop of the Balai Penyuluh Pertanian (BPP) of the Pakem Agriculture Service, Sleman, Yogyakarta. Physiological status data including pulse, rectal temperatur, and respiration were measured and recorded for each feather color grouping. Data collection was carried out for 8 weeks with 3 repetitions carried out every week. Furthermore, the data were analyzed using one way analysis of variance (ANOVA) to find out whether there were differences in the performance of physiological status in each color group. To differentiate the performance between the six color groups, further testing was carried out using the Duncan Multiple Range Test (DMRT). The results showed that the respiration of KUB chickens in the mixed color group at week 21, black brown and gray at week 22, and gray at week 23 the number of respiratory frequencies differed significantly higher than other colors ($P < 0.05$). dark chocolate at week 22 and red chocolate at week 23 had significantly different pulse rates compared to other colors ($P < 0.05$). mixed color at week 26, black brown, and gray at week 22, and gray at week 23 the number of different respiratory frequencies was significantly higher than other colors ($P < 0.05$). Based on the results of the study, it can be said that the physiological status of KUB chickens from different feather colors is still in the normal range.

Keyword: Kampung Unggul Balitbangtan (KUB) chicken, feather color, physiological status, pulse, rectal temperatur, respiration.