

**SURATNI LA DULLAH. 04141811004. KARAKTERISTIK
MORFOMETRIK GENERASI PERTAMA (G1) AYAM PERSILANGAN
ELBA DAN BURAS (*Gallusdomesticus*) DI FARM MAQUAPONIK.**

Pembimbing : Dr. Sri Utami, S.Pt.,M.Sc

: Dr. Ir. Abdurahman Hoda, M.Si

RINGKASAN

Sifat kualitatif adalah sifat tampak yang tidak dapat diukur dengan menggunakan satuan ukuran tertentu. Sifat kualitatif ayam Generasi Pertama hasil persilangan ayam elba dan ayam buras dapat dilihat dari bentuk warna bulu, bentuk jengger dan warna kaki. Sifat kuantitatif adalah sifat yang tampak dan dapat diukur dengan menggunakan alat ukur. Sifat kuantitatif yang paling penting adalah bobot badan, lingkaran shank, panjang shank, panjang paruh, tinggi jengger, panjang femur, panjang tibia, panjang jari kaki ketiga, panjang sayap dan lebar tulang pubis. Tujuan penelitian ini adalah untuk mengetahui perbedaan karakteristik morfometrik ayam Generasi Pertama (G1), ayam buras dan ayam elba. Pengambilan data diambil dilokasi dengan melakukan pengukuran langsung terhadap sifat kualitatif dan sifat kuantitatif. Parameter yang diukur adalah bobot badan, lingkaran shank, panjang shank, tinggi jengger, panjang femur, panjang tibia, panjang paruh, panjang jari kaki ketiga, panjang sayap, lebar tulang pubis. Data dianalisis secara deskriptif di lanjutkan dengan analisis korelasi dan Uji-t untuk membandingkan antara ayam Generasi Pertama hasil persilangan Ayam Elba dan Ayam Buras. Hasil penelitian dapat disimpulkan bahwa sifat kuantitatif ayam Generasi Pertama (G1) hasil persilangan dan ayam elba secara keseluruhan di Farm Maquaponik tidak memiliki perbedaan antara panjang shank, tinggi jengger, panjang femur, panjang tibia, panjang paruh, panjang jari ketiga, panjang sayap, lebar tulang pubis, warna bulu, bentuk jengger dan warna kulit kaki. Sedangkan ayam Generasi Pertama (G1) hasil persilangan dan ayam Buras memiliki perbedaan pada bobot badan, lingkaran shank, panjang shank, dan lebar tulang pubis. Karakteristik morfometrik sifat kualitatif ayam Generasi Pertama (G1) hasil persilangan ayam Elba dan Buras secara keseluruhan memiliki warna kulit kaki putih dan hitam, dan warna bulu ayam memiliki warna bulu beragam.

Kata Kunci : *Karakteristik Morfometrik Ayam Elba dan ayam Buras
(Gallus domesticus)*

SURATNI LA DULLAH. 04141811004. FIRST GENERATION(G1) MORFOMETRIC CHARACTERISTICS OF ELBA AND BURAS CROSS CHIKEN (*Gallus domesticus*) IN MAQUAPONIC FARM

Supervisor : Dr. Sri Utami, S.Pt.,M.Sc
: Dr. Ir. Abdurahman Hoda, M.Si

ABSTRACT

Qualitative properties are visible properties that cannot be measured using a certain unit of measure. The qualitative characteristics of the first generation of chickens from crosses between Elba and free-range chickens can be seen from the shape of the feather color, the shape of the comb and the color of the legs. Quantitative properties are properties that are visible and can be measured using measuring instruments. The most important quantitative traits were body weight, shank circumference, shank length, beak length, comb height, femur length, tibia length, third toe length, wing length and pubic bone width. The purpose of this study was to determine the differences in the morphometric characteristics of First Generation (G1) chickens, native chickens and Elba chickens. Data collection was taken at the location by making direct measurements of the qualitative and quantitative properties. Parameters measured were body weight, shank circumference, shank length, comb height, femur length, tibia length, beak length, third toe length, wing length, pubic bone width. The data were analyzed descriptively followed by correlation analysis and t-test to compare between the First Generation chickens from crossing Elba Chickens and Free-range Chickens. The results of the study concluded that the quantitative traits of First Generation (G1) chickens from crosses and elba chicks as a whole at Farm Maquaponik did not have differences between shank length, comb height, femur length, tibia length, beak length, third finger length, wing length, width pubic bone, coat color, comb shape and skin color of the feet. While the First Generation (G1) chickens from crosses and domesticated chickens had differences in body weight, shank circumference, shank length, and pubic bone width. The morphometric characteristics of the qualitative characteristics of the First Generation (G1) chickens from crosses of Elba and Buras chickens as a whole have white and black leg skin colors, and chicken feathers have various feather colors.

Keywords: Morphometric Characteristics of Elba Chicken and Buras Chicken
(*Gallus domesticus*)