

**ADI RO'ISUL FARIKI. 04141911007. STATUS FISILOGIS DAN
PENYUSUTAN BOBOT BADAN AYAM BROILER PADA JENIS
TRANSPORTASI LAUT YANG BERBEDA DARI SOFIFI KE TERNATE**

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ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui status fisiologis dan penyusutan bobot badan ayam broiler pada jenis transportasi laut yang berbeda dari Sofifi ke Ternate. Distribusi ayam broiler dari Sofifi ke Ternate dilakukan menggunakan kapal *ferry* dan kapal *speed boat*. Variabel yang diamati antara lain: bobot badan, denyut jantung, frekuensi pernafasan, suhu rektal, dan suhu tubuh. Bobot badan diperoleh dengan cara menimbang ayam broiler menggunakan timbangan digital, sedangkan status fisiologis diukur menggunakan stetoskop dan *thermometer*. Data bobot badan dan status fisiologis ayam sebelum dan sesudah transportasi dianalisis menggunakan uji *paired sample T-test*, sedangkan perbandingan perubahan variabel-variabel tersebut antara kelompok *ferry* dan *speed boat* dianalisis dengan uji *independent sample T-test* dengan uji taraf nyata 5%. Hasil penelitian menunjukkan terdapat perbedaan yang nyata antara rata-rata bobot badan, denyut jantung, frekuensi pernapasan, dan suhu rektal ayam broiler sebelum dan sesudah transportasi ($P < 0,05$), baik yang menggunakan kapal *ferry* maupun kapal *speed boat*, dimana terdapat penyusutan bobot dan peningkatan status fisiologis setelah transportasi ($P > 0,05$). Rata-rata suhu tubuh sebelum dan sesudah transportasi menggunakan kapal *speed boat* berbeda nyata ($P < 0,05$), sedangkan rata-rata suhu tubuh sebelum dan sesudah transportasi menggunakan kapal *ferry* tidak berbeda nyata ($P > 0,05$). Dapat disimpulkan bahwa penurunan bobot badan dan peningkatan status fisiologis ayam broiler setelah transportasi menggunakan kapal *ferry* lebih tinggi dibandingkan menggunakan kapal *speed boat*.

Kata kunci: Ayam Broiler, Transportasi Ternak, Bobot Badan, Status Fisiologi

ADI RO'ISUL FARIKI. 04141911007. PHYSIOLOGICAL STATUS AND BODY WEIGHT DECLINE OF BROILER CHICKENS IN DIFFERENT TYPES OF SEA TRANSPORTATION FROM SOFIFI TO TERNATE

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ABSTRACT

The aim of this research was to determine the physiological status and body weight loss of broiler chickens in different types of sea transportation from Sofifi to Ternate. Distribution of broiler chickens from Sofifi to Ternate is carried out using ferries and speed boats. The variables observed included: body weight, heart rate, respiratory frequency, rectal temperature, and body temperature. Weight was obtained by weighing broiler chickens using a digital scale, while the physiological status of broiler chickens was measured using a stethoscope and thermometer. Data on body weight and physiological status of chickens before and after transportation were analyzed using the paired sample T-test, while comparisons of changes in these variables between the ferry and speed boat groups were analyzed using the independent sample T-test with a significance level of 5%. The results of the study showed that there were significant differences between the average body weight, heart rate, respiratory frequency and rectal temperature of broiler chickens before and after transportation ($P < 0.05$), both using ferries and speed boats, where there was a decrease weight and increase in physiological status after transportation ($P > 0.05$). The average body temperature before and after transportation using a speed boat was significantly different ($P < 0.05$), while the average body temperature before and after transportation using a ferry was not significantly different ($P > 0.05$). It can be concluded that the reduction in body weight and improvement in the physiological status of broiler chickens after transportation using a ferry is higher than using a speed boat.

Keywords: *Broiler Chickens, Animal Transportation, Body Weight, Physiological Status*