

## ABSTRAK

### PENGARUH PENAMBAHAN LARUTAN DAUN KERSEN (*Muntingia calabura L.*) TERHADAP KUALITAS ALBUMEN TELUR ASIN RENDAH SODIUM

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Penelitian ini bertujuan untuk mengetahui pengaruh penambahan larutan daun kersen dan konsentrasi larutan daun kersen yang berpengaruh terbaik terhadap nilai *haugh unit* (HU), indeks albumen, dan pH albumen telur asin rendah sodium. Penelitian ini dilaksanakan pada Februari 2022 di Laboratorium Produksi Ternak, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Penelitian dilakukan menggunakan Rancangan Acak Lengkap (RAL) dengan 4 perlakuan (penambahan 0%, 10%, 20%, dan 30% larutan daun kersen) dan diulang sebanyak 5 kali. Setiap satuan percobaan terdiri dari 3 butir telur ayam ras, sehingga jumlah telur yang digunakan yaitu 60 butir. Peubah yang diamati meliputi *haugh unit* (HU), indeks albumen, dan pH albumen. Data yang diperoleh dianalisis menggunakan analisis ragam pada taraf nyata 5%. Hasil penelitian menunjukkan bahwa perlakuan penambahan larutan daun kersen konsentrasi 0%, 10%, 20%, dan 30% tidak berpengaruh nyata ( $P>0,05$ ) terhadap nilai *haugh unit* (HU), indeks albumen, dan pH albumen. Perlakuan penambahan larutan daun kersen sampai konsentrasi 30% masih memberikan hasil kualitas *haugh unit* (HU), indeks albumen, dan pH albumen telur asin rendah sodium yang relatif sama.

**Kata kunci:** Albumen, daun kersen, *haugh unit*, indeks albumen, pH albumen

## **ABSTRACT**

### **EFFECT OF THE ADDITION OF JAMAICAN CHERRY LEAF SOLUTION (*Muntingia calabura L.*) ON THE QUALITY OF SALTED EGG ALBUMEN LOW SODIUM**

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This research aimed to determine the effect of the addition of jamaican cherry leaf solution and the concentration of jamaican cherry leaf solution that has the best effect on the haugh unit (HU), albumen index, and albumen pH low sodium salted egg. This research was conducted in February 2022 at the Livestock Production Laboratory, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung. The research was conducted using a Completely Randomized Design (CRD) with 4 treatments (addition of 0%, 10%, 20%, and 30% solution of kersen leaves) and repeated 5 times. Each unit of experiment consists of 3 eggs of chicken breeds, so the number of eggs used is 60 eggs. The observed variables include haugh unit (HU), albumen index, and albumen pH. The data obtained is analyzed by analysis of variance at a real level of 5%. The results showed that the treatment of adding jamaican cherry leaf solution concentrations of 0%, 10%, 20%, and 30% had no noticeable effect ( $P > 0,05$ ) on the haugh unit (HU), albumen index, and albumen pH. The treatment of adding jamaican cherry leaf solution concentration of 30% still gives the results of quality haugh unit (HU), albumen index, and albumen pH of low sodium salted eggs which is relatively the same.

**Keywords:** Albumen, albumen index, albumen pH, haugh unit, jamaican cherry leaf