

## **ABSTRAK**

### **PENGARUH PEMBERIAN EKSTRAK DAUN KELOR (*Moringa oleifera*) DALAM AIR MINUM TERHADAP BOBOT KERABANG, BOBOT ALBUMEN DAN BOBOT *YOLK* TELUR AYAM RAS PETELUR**

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Penelitian ini bertujuan untuk mengetahui (1) pengaruh ekstrak daun kelor terhadap bobot kerabang, bobot albumen, dan bobot *yolk* dan (2) level terbaik pemberian ekstrak daun kelor terhadap bobot kerabang, bobot albumen, dan bobot *yolk* telur ayam ras petelur. Penelitian ini dilaksanakan pada Januari--Maret 2023 di Kandang Unggas, CV Margaraya *Farm*, Dusun Sukananti, Desa Margaraya, Kecamatan Natar, Kabupaten Lampung Selatan. Metode penelitian yang digunakan adalah Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan dan 6 ulangan, setiap satuan percobaan berisi 5 ekor ayam. Perlakuan yang diberikan yaitu air minum tanpa ekstrak daun kelor (P0), air minum dengan penambahan ekstrak daun kelor 0,5% (0,5 ml ekstrak + 99,5 ml air) (P1), air minum dengan penambahan ekstrak daun kelor 1% (1 ml ekstrak + 99 ml air) (P2), air minum dengan penambahan ekstrak daun kelor 1,5% (1,5 ml ekstrak + 98,5 ml air) (P3). Data yang diperoleh dianalisis menggunakan analisis ragam (ANARA) pada taraf 5% dan apabila hasil pengamatan menunjukkan pengaruh nyata maka dilanjutkan dengan uji BNT. Hasil penelitian menunjukkan bahwa pemberian ekstrak daun kelor dengan dosis yang berbeda dalam air minum berpengaruh tidak nyata ( $P>0,05$ ) terhadap bobot kerabang, bobot albumen, dan bobot *yolk* telur ayam ras petelur.

**Kata kunci** : Telur ayam ras petelur, ekstrak daun kelor, bobot kerabang, bobot albumen, bobot *yolk*.

## ABSTRACT

### THE EFFECT OF MORINGA LEAF EXTRACT (*Moringa oleifera*) IN DRINKING WATER ON SHELL WEIGHT, ALBUMEN WEIGHT AND YOLK WEIGHT OF LAYER CHICKEN EGGS

By

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This study aims to determine (1) the effect of Moringa leaf extract on shell weight, albumen weight, and (2) yolk weight and the best level of Moringa leaf extract administration on shell weight, albumen weight, and egg yolk weight in laying hens. This research was conducted from January to March 2023 at the Poultry Cage, CV Margaraya Farm, Sukananti Hamlet, Margaraya Village, Natar District, South Lampung Regency. The research method used was a completely randomized design (CRD) consisting of 4 treatments and 6 replications, each experimental unit consist of 5 chickens. The treatment given was drinking water without moringa leaf extract (P0), drinking water with the addition of 0,5% moringa leaf extract (0,5 ml extract + 99,5 ml water) (P1), drinking water with the addition of 1% moringa leaf extract (1 ml extract + 99 ml water) (P2), drinking water with the addition of 1,5% moringa leaf extract (1,5 ml extract + 98,5 ml water) (P3). The data obtained were analyzed by using analysis of variance (ANOVA) at the 5% level and if the observations showed a significant effect then it was continued with the least significant difference test (LSD). The results showed that administration of moringa leaf extract at different doses in drinking water had no significant effect ( $P>0.05$ ) on shell weight, albumen weight, and egg yolk weight of laying hens.

**Keywords** : Laying hen eggs, moringa leaf extract, shell weight, albumen weight, yolk weight.

