

ABSTRAK

PENGARUH PEMBERIAN PROBIOTIK KOMERSILYANG BERBEDA TERHADAP *HAUGH UNIT*, pH TELUR, DAN INDEKS *YOLK* TELUR AYAM HASIL SILANGAN (*GRADING UP*)

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Penelitian ini bertujuan 1) mempelajari pengaruh probiotik yang berbeda terhadap *Haugh Unit* (HU), pH telur, dan indeks *yolk* telur ayam hasil silangan; 2) menentukan probiotik yang mempunyai pengaruh terbaik terhadap *Haugh Unit* (HU), pH telur, dan indeks *yolk* telur ayam hasil silangan. Penelitian ini dilaksanakan pada Januari -- Februari 2019 di kandang ayam petelur Laboratorium Lapang Terpadu, Fakultas Pertanian Universitas Lampung. Pengukuran HU, pH telur dan indeks *yolk* dilaksanakan pada Januari-- Februari 2019 di Laboratorium Produksi dan Reproduksi Ternak, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Rancangan yang digunakan adalah Rancangan Acak Lengkap dengan 4 perlakuan yaitu kontrol dan pemberian probiotik A, B, dan C dengan 7 ulangan. Data yang dihasilkan dianalisis menggunakan analisis ragam pada taraf 5%. Berdasarkan penelitian ini dapat disimpulkan bahwa pemberian probiotik komersil 0,1 ml/ekor/hari tidak berpengaruh nyata terhadap *haugh unit*, pH telur, dan indeks *yolk* ayam petelur hasil silangan.

Kata kunci : Probiotik, ayam hasil silangan, *haugh unit*, pH telur, dan indeks *yolk*.

ABSTRACT

THE EFFECT OF DIFFERENT COMERCIAL PROBIOTICS SUPPLEMENT ON HAUGH UNIT, EGG pH, AND YOLK INDEX OF CROSS CHICKEN EGG (GRADING UP)

By

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This research aim to 1) studied the effect of different comercial probiotics on haugh unit, egg pH, and yolk index of cross chicken egg; 2) determined the best effect of comercial probiotics on haugh unit, egg pH, and yolk index of cross chicken egg. This research was conducted on January—February 2019 in the henhouse laying Lapang Terpadu Laboratory, Agriculture Faculty, University of Lampung. Measurement of haugh unit, egg pH, and yolk index on January—February 2019 at Laboratory of Livestock Production and Reproduction, Animal Husbandry Major, Agriculture Faculty, University of Lampung. The research used completely randomized design with 4 treatments (control and A, B, C probiotics supplement) and 7 replications. Data obtained was analyzed using analysis of variance at 5% level. Based of this research it can be concluded that supplementation of comercial probiotics 0,1 ml/chicken/day was not significant on haugh unit, egg pH, and yolk index of cross chicken egg.

Keyword : probiotics, cross chicken, haugh unit, egg pH, and yolk index