

ABSTRAK

PENGARUH PENGGUNAAN TEPUNG DAUN *Indigofera zollingeriana* DALAM RANSUM TERHADAP KUALITAS INTERNAL TELUR AYAM RAS

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Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan tepung daun *Indigofera zollingeriana* dalam ransum terhadap kualitas internal telur ayam ras dan mengetahui perlakuan optimal terhadap peningkatan kualitas internal telur ayam ras. Penelitian ini dilakukan pada bulan April- Juni 2017 terdiri atas dua tahap diawali dengan pembuatan tepung daun *Indigofera zollingeriana* di Kelompok Tani Manunggal, Pekon Purwodadi, Kecamatan Adiluwih, Kabupaten Pringsewu dan tahap *feeding trial* di Peternakan ayam petelur CV. Varia Agung Jaya Farm, Desa Varia Agung, Kecamatan Seputih Mataram, Kabupaten Lampung Tengah. Ayam ras petelur berumur 32 minggu *strain Isa Brown* berjumlah 48 ekor digunakan dalam penelitian, menggunakan Rancangan Acak Lengkap (RAL), terdiri atas 4 perlakuan dan 6 ulangan dengan perlakuan tepung daun *Indigofera zollingeriana* R0: 0%; R1:5%; R2:10%; R3: 15%. Data yang diperoleh dianalisis ragam dengan taraf 5% dan atau 1%, hasil berbeda nyata di uji lanjut menggunakan *polinomial orthogonal*. Hasil penelitian menunjukkan bahwa indeks *albumen* dan nilai indeks *yolk* berbeda tidak nyata ($P>0,05$), sedangkan skor warna *yolk* berbeda sangat nyata ($P<0,01$) dengan persamaan regresi $= 7,33+1,83x$. Didapatkan titik tertinggi yaitu pada penggunaan tepung daun *Indigofera zollingeriana* dalam ransum sebesar 15% untuk peningkatan warna *yolk*.

Kata kunci: Daun *Indigofera zollingeriana*, Ransum, Telur, Kualitas Internal Telur

ABSTRACT

EFFECT USAGE LEAF MEAL OF *Indigofera zollingeriana* IN THE RATION ON INTERNAL EGG QUALITY OF LAYING HENS

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The research aims to know the effect of using leaf meal of *Indigofera zollingeriana* in rations on internal egg quality and know optimal treatment on the internal egg quality. This research was conducted on April-June 2017 covering step of *Indigofera zollingeriana* meal production in Manunggal Farmer Group, Purwodadi Village, Adiluwih Sub-district, Pringsewu District and step of feeding trial treatment ration in laying hens farm CV. Varia Agung Jaya Farm, Varia Agung Village, Seputih Mataram Sub District, Central Lampung District. Fourty eight laying hens at 32 weeks of age used. This research use Completely Randomized Design (CRD) with 4 treatments and 6 replication leaf meal *Indigofera zollingeriana* R0: 0%; R1: 5%; R2: 10%; R3: 15%. Obtained data were analyzed with the assumptions of variance by 5% or 1%, the results were significantly different in the advanced test using orthogonal polynomials, and showed that the *albumen* index and *yolk* index value was not significantly different ($P > 0,05$), and the *yolk* color score was very significant ($P < 0,01$) with regression equation $y = 7,33 + 1,83x$. Obtained the highest point that is on use of leaf meal *Indigofera zollingeriana* in a rations of 15% increase of *yolk* color.

Keywords: Leaf *Indigofera zollingeriana*, Rations, Eggs, Internal Egg Quality