

**PENGARUH PENAMBAHAN EKSTRAK BATANG KAYU SECANG
(*Caesalpinea sappan L.*) DI DALAM PAKAN TERHADAP PRODUKSI
DAN KUALITAS FISIK TELUR AYAM LAYER**

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan ekstrak kayu secang (*Caesalpinea sappan L.*) dalam pakan terhadap produksi dan kualitas fisik telur ayam layer. Ayam layer Strain Lohman Brown sebanyak 45 ekor berumur 47 Minggu dibagi menjadi tiga perlakuan. Perlakuan yang diberikan berupa: pakan basal tanpa penambahan aditif (T0; kontrol), pakan basal + ekstrak kayu secang 0,25% (T1), dan pakan basal + ekstrak kayu secang 0,5% (T2). Setiap perlakuan terdiri dari 5 ulangan (3 ekor per ulangan). Data yang diperoleh dianalisis statistik menggunakan Analisis Variansi Rancangan Acak Lengkap Pola Searah. Hasil penelitian menunjukkan penambahan ekstrak kayu secang dalam pakan tidak berpengaruh nyata ($P > 0,05$) terhadap konsumsi pakan (*feed intake*), konversi pakan (*feed conversion ratio*), produksi telur (*hen day average*), berat telur, Indeks telur, warna yolk,

Kata kunci: Ayam layer, Ekstrak secang, Produkdi telur, kualitas fisik telur.

**THE EFFECT OF DIETARY OF SECANG (*Caesalpineia sappan L.*)
WOOD EXTRACT SUPPLEMENTATION ON PRODUCTION AND EGG
PHYSICAL QUALITY IN LAYING HEN**

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ABSTRACT

The purpose of this study was to determine the effects dietary supplementations of secang (*Caesalpineia sappan L.*) wood extract on egg productivity and egg physical quality. Fourty five Lohman Brown laying hen, age 47 weeks were used and allotted to 3 treatments. Treatments were: basal diet only (T0; control), basal diet + 0.25% secang wood extract (T1), and basal diet + 0.5% secang wood extract (T2). Each treatment consisted of five replications (3 laying hens for each replication). The data obtained statistically analyzed using Oneway Analysis of variance. The results showed that the addition of secang (*Caesalpineia sappan L.*) wood extract in the feed did not significantly affect $P > 0.05$ on feed intake, feed conversion ratio, egg production (hen day average), egg weight, egg index, yolk color and HU (haught unit).

Keyword: laying hen, secang wood extract, egg productivity and egg physical quality