

**PENGARUH *PEASE WEEDING* SffimJKLAMG DEWASA KEIAMIM DAN PUNCAK PRODUKSI TERHADAP KUALITAS TELUR**

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Penelitian ini bertujuan untuk mempelajari pengaruh *Phase Feeding* (PF) menjelang dewasa kelamin terhadap kualitas telur. Sebanyak 120 ekor ayam strain *Lohmann Brown* umur 18 minggu dibagi dalam 5 kelompok perlakuan secara acak, yaitu T<sub>1</sub>: ayam tanpa diberi perlakuan PF sebagai kontrol, T<sub>2</sub>: perlakuan PF menjelang umur dewasa kelamin (19-20 minggu) kemudian diberi pakan kontrol, T<sub>3</sub>: perlakuan PF menjelang umur puncak produksi (27-28 minggu) sebelum dan sesudahnya diberi pakan kontrol, T<sub>4</sub>: perlakuan PF pada umur 19-20 minggu dan 27-28 minggu, diantara dan sesudahnya diberi pakan kontrol dan T<sub>5</sub>: perlakuan PF menjelang dewasa kelamin sampai umur puncak produksi (19-28 minggu) kemudian diberi pakan kontrol. Setiap perlakuan diulang 4 kali, masing-masing ulangan terdiri dari 6 ekor ayam. Pakan PF mengandung CP 19,5% dan ME 2850 kcal/kg, sedangkan pakan kontrol mengandung CP 16,5 kg dan ME 2750 kcal/kg. Variabel yang diamati adalah berat telur, nilai HU, indeks kerabang, persentase yolk dan warna yolk. Data yang diperoleh kemudian dianalisis dengan menggunakan Analisis Variansi pola Split-plot diteruskan dengan menggunakan uji beda rerata DMRT. Hasil yang diperoleh diantara perlakuan terdapat perbedaan yang sangat nyata ( $P < 0,01$ ) terhadap berat telur, nilai HU, indeks kerabang telur, persentase yolk dan warna yolk.

Kata kunci : *Phase Feeding*, Umur dewasa kelamin, Umur puncak produksi, Kualitas telur

**THE EFFECT OF PHASE FEEDING DURING SEXUAL MATURITY  
OF AGE AND PEAK PRODUCTION OF AGE  
ON EGG QUALITY**

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**ABSTRACT**

The experiment was conducted to investigate the effect of Phase Feeding (PF) during sexual maturity of age and peak production of age on egg quality. The experiment used 120 Lohmann Brown hens 18 weeks of age which were randomly divided into 5 treatments namely, T1 : hens did not received PF diet as a control, T2 : hens received PF diet at the age of sexual maturity (19-20 wk) and following by receiving control diet, T3 : hens received PF diet during peak production (27-28 wk) control diet were given before and after peak production ages, T4 : hens received PF diet at 19-20 weeks old and 27-28 weeks old and control diet at 20-26 weeks old, T5 : hens received PF diet starting from sexual maturity to peak production (19-28 wk) than followed with control diet. Each treatment had repeated 4 times and each repayment consisted of 6 hens. PF diet contained 19.5% CP and 2,850 kcal/kg ME while control diet contained 16.5% CP and 2,750 kcal/kg ME. The parameter obtained were egg weight, Haugh Unit (HU), egg shell index, percent yolk and yolk colour. All data were analyzed by Analysis Variance of Split-plot designs and continued with Duncan's Multiple Range Test for differences. Very significantly differences were affected for egg weight, HU, egg shell index, percent yolk and yolk colour.

Key word : Phase Feeding, Sexual maturity of age, Peak production of age, Egg quality