

**SUPPLEMENTATION WASTE RESULTING FROM THE  
PROCESING OF CHITIN FROM SHRIMP HEADS (CRUASSTACEAE)  
AS FEED SUPPLEMENT ON PERFORMANCE PRODUCTION OF  
LAYERING CHIKENS**

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**ABSTRACT**

*This research was conducted to determine the supplementation of chitin waste from shrimp heads (crustaceans) as a feed supplement on the production performance of laying hen. This research was carried out for 33 days from May to June 2023 in the Mitra livestock pen of the Jember State Polytechnic. This research was carried out using a completely randomized design (RAL) experimental method with chitin processing waste from shrimp head extract with factors P0 (control), P1 (0.1%), P2 (0.2%), P3 (0.3%) as many as 40 chickens. Treatment begins in chickens aged 78 weeks to 82 weeks. The parameters observed include feed consumption, egg production, egg weight, and feed conversion. The data from this research were analyzed using Analysis of Variance (ANOVA), if there was a significant difference ( $P > 0.05$ ), it was continued with the Duncan Multiple Range Test (DMRT). The results of this study show that there is no significant difference ( $P > 0.05$ ) in feeding chitin processing waste from shrimp heads on feed consumption, egg production, egg weight and feed conversion.*

**Keywords :** *Purebred Chickens, Production Performance of Laying Hens, Chitin Processing Waste, Shrimp Head Meal.*