

***Performance Production of Laying Quail (*Coturnix coturnix japonica*) Fed with Conch Meal (*Pomacea canaliculata* L.) and *Azolla pinnata* Supervised by Dr. Ir. Suci Wulandari, M.Si., IPM., ASEAN Eng.***

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**ABSTRACT**

*This study aims to examine the effect of giving golden apple snail flour (*Pomacea canaliculata* L.), *Azolla pinnata* flour, and their combination as a protein source to improve the egg production performance of quail. The research was conducted from April to August 2024 at the Jember State Polytechnic. The research method applied was a Completely Randomized Design (CRD) with 4 treatments and 5 replications. Each replication consisted of 4 laying quails aged 7 weeks. The treatments applied were feed without the addition of golden apple snail flour and *Azolla pinnata* flour (P0), feed with the addition of 10% *Azolla pinnata* flour (P1), feed with the addition of 10% golden apple snail flour (P2), and feed with a combination of 10% *Azolla pinnata* flour and 10% golden apple snail flour (P3). The observed parameters were feed consumption, egg production (quail day production), and feed egg ratio (FER). The data obtained were analyzed using Analysis of Variance (ANOVA); if a significant difference ( $P < 0.05$ ) was found, it was followed by Duncan's Multiple Range Test (DMRT) to determine which treatment had significant differences. From the results of the study, the administration of 10% golden apple snail flour showed the most optimal results in egg production and feed egg ratio, whereas there was no significant difference in feed consumption.*

**Keywords:** *golden apple snail flour, *Azolla pinnata* flour, quail production performance*