Pengaruh Penggunaan Tepung Daun Lamtoro *(Lecaena Leucocephala)* Fermentasi Dalam Ransum Terhadap Performa Produksi Dan Kualitas Telur Puyuh *(Coturnix- Coturnix Japonica)*
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ABSTRACT

This study aims to determine the performance and quality of quail eggs fed with fermented lamtoro leaf flour. This research was located at Perbum Kalisat Permai B: 15 Jember. This research was conducted from early September to December 2022. This study used a completely randomized design (CRD) with 4 treatments, namely P0 (Treatment of feed without lamtoro leaf flour), P1 (Treatment of feed with 2% fermented lamtoro leaf flour), P2 (feed treatment with 4% fermented lamtoro leaf flour), P3 (feed treatment with 6% fermented lamtoro leaf flour), and P4 (feed treatment with 8% fermented lamtoro leaf flour). The results were analyzed using variance and if there were significant differences, it would by the Duncan Multiple Range Test (DMRT). The results showed that the administration of fermented lamtoro leaf had a significant effect on body weight gain (191.1 gram/head), daily egg production (56.4%), shell thickness (0.13 mm), and egg yolk color index (8,95). However, the application of fermented lamtoro leaf flour did not significantly affect feed consumption, feed conversion, egg weight, and haugh units. The initial age of laying eggs in quail is in the range of 45 days. The conclusion is that fermented lamtoro leaf flour can be used as feed to improve quail performance and quail egg quality.

Keywords: *lamtoro leaf flour, fermentation, laying quail, egg quality, quail performance*