Addition of Mahogany Seed Flour (Swietenia mahagoni) In Feed on Broiler Performance

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ABSTRACT

This study aims to determine the effect of adding mahogany (Swietenia mahagoni) seed meal in feed on broiler performance. The material used was 100 broilers raised until the age of 35 days. This study was conducted using an experimental method with a completely randomized design (CRD) unidirectional pattern consisting of 4 treatments and 3 replicates. The treatments used were P0 (Commercial feed or control), P1 (Commercial feed + 0.4% mahogany seed meal) P2 (Commercial feed + 0.8% mahogany seed meal) and P3 (Commercial feed + 1.2% mahogany seed meal). Parameters observed were feed consumption, body weight gain, feed conversion. Data were analyzed by Analysis of Variance (ANOVA), if there was a significant difference then continued with the Duncan Multiple Range Test (DMRT). The results showed that the addition of mahogany seed flour in broiler feed had an effect ($P < 0.05$) on feed consumption and feed conversion, but significantly different ($P < 0.05$) and continued with the DMRT test with significantly different results on body weight gain. This study can be concluded that the addition of mahogany seed flour in P1 with a level of 0.4% mahogany seed flour into the feed is the best treatment in this study, it is because the results of body weight gain and the results of feed conversion show the best results

***Keywords: Broiler**, Mahogany Seed Flour, Broiler Performance*