

***Additive Feed Leaf Flour (Moringa oleifera) In Broilers Against Ammonia
Mitigation and Broiler Performance***

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ABSTRACT

The purpose of this study was to determine the addition feed additive of Moringa leaf flour in broilers on ammonia mitigation and broiler chicken performance. The material used was Moringa leaf flour (Moringa oleifera) and 200 DOC. This research method was completely randomized design (CRD) with 4 treatments and 5 replications so that there are 20 experimental units. The treatment used is P0 (formulation ration without the addition of Moringa leaf flour), P1 (formulation ration with the addition of 3 g/kg flour). Moringa leaves, P2 (formulation ration with the addition of 6 g/kg Moringa leaf flour) P3 (formulation ration with the addition of 9 g/kg Moringa leaf flour. Sampling randomly 2 tails from each group was carried out at the end of 35 days of rearing with the observed variables, feed consumption, body weight gain, feed conversion. Body weight, feed residue and ammonia measurements were carried out every week during the rearing period. The results of the study concluded that the addition of feed additive Moringa leaf flour (Moringa oleifera) in broiler chicken feed for each treatment with percentages of 3 g/kg, 6 g/kg, and 9 g/kg Moringa leaf flour showed $P < 0.05$ significant or significant effect on the decrease in ammonia levels and feed consumption, but no significant $P > 0.05$ or non-significant effect on body weight gain and feed conversion.

Keywords : *Feed additive, Mitigation, Moringa Leaf Flour, Performance*