

UTILIZATION OF PELLET RATION WITH ADDITIONAL PAPAYA (*Carica papaya* L.) FLOUR WITH DIFFERENT LEVEL TO BROILER PERFORMANCE

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ABSTRACT

Good broiler performances require adequate feed and suitable feeding management. Papaya leaf contains vitamin C 140 mg, vitamin E 136 mg, vitamin B1 0,15 mg, 2,0 mg fat, calcium 35,3 gram, phosphor 63 mg and 0,80 iron as well as some enzymes such as *chymopapain*, *papain* and *lipase* wich able to degrade complex bond then increase the efficiency of nutrient digestibility and utilization in ratio. This study was aim to determine the effect of pellet papaya leaf flour on broiler performance that included feed consumption, body weight gain and feed conversion ratio. This research was conducted from November until December 2017 at UIN *Agriculture Research and Development* (UARDS) Faculty of Agriculture and Animal Science State Islamic University of Sultan Syarif Kasim Riau. This research used Completely Randomized Design (CRD) with 4 treatments and 4 replications T1: 0% Papaya leaf flour, T2: 3% Papaya leaf flour, T3: 6% Papaya leaf flour and T4: 9% Papaya leaf flour in ration formulation. The result showed that papaya leaf flour that there was a significant effect ($P < 0,05$) of treatments on the feed consumption, but not significant ($P > 0,05$) on body weight gain and feed conversion ratio. The result suggest that the addition of papaya leaf flour up to level of 9% could not improve the broiler performance.

Key word: papaya leaf flour, broiler, performance broiler