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ELECTRONIC THESIS AND DISSERTATION UNSYIAH

TITLE

PENGARUH SUBSTITUSI RANSUM KOMERSIL DENGAN TEPUNG KULIT PISANG KEPOK FERMENTASI + BUNGKIL KELAPA + FEED SUPPLEMENT PERIODE FINISHER TERHADAP BERAT DAN PERSENTASE BEBERAPA ORGAN DALAM AYAM BROILER

ABSTRACT

The aim of present study was to determine effect of partial substitution of commercial broiler finisher ration with a fermented banana peel + coconut meal + feed supplement to the weight and the percentage of several internal organs of broiler chickens. The study was conducted in Field Laboratory, Department of Animal Husbandry, Faculty of Agriculture, Syiah Kuala University, April 1 until Mei 5, 2016. As many as 100 chicks, strain lohmann, produced by PT. Japfa, Medan were used in this study. The study was performed into randomized block design with subsamples (RBD with subsamples), consisted of 5 treatments, 4 blocks, and 2 subsamples. Each group was an experimental unit, each consisting of five chickens. The treatment was the provision of fermented banana peel + coconut meal + feed supplement with the level of 0% (P1), 2,5%+1,5%+1% (P2), 5%+3%+1% (P3), 7,5%+4,5%+1% (P4), and 10%+6%+1% (P5), respectively. The parameters observed were the weight and percentage of internal organs of broilers (crop, gizzard, small intestine, liver, pancreas, hearth, blood, spleen, and abdominal fat) as well as external noncarcass organs (feather, head + neck, and shank). Data were analyzed by Analysis of Variance (ANOVA), if significantly different results were detected, then continued by Duncan's Multiple Range Test (Steel and Torrie, 1993). The results of study showed that administration of up to 10% fermented banana peel + 6% coconut meal + 1% feed supplement as partial substitution of commercial finisher broiler ration was not significant effect ($P>0.05$) on the weight and percentage of broiler internal organs. Despite statistically no significant differences were detected, the percentage of noncarcass organs tend to decline as broilers fed the commercial rations partially substituted by a fermented banana peel + coconut meal + feed supplement.