

THE EFFECT OF MAGGOT BLACK SOLDIER FLY (*Hermetia illucens*) FLOUR RESULTS OF VARIOUS PHYSICAL PROCESSING ON BROILER PERFORMANCE

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ABSTRACT

This study aims to analyze the results of various physical processing of the effect of Maggot *Black Soldier Fly (Hermetia illucens)* flour on broiler performance. The manufacture of feed ingredients has been carried out at the Animal Nutrition Laboratory, Lampung State Polytechnic. This research has been carried out in the broiler cage, Department of Animal Husbandry, Lampung State Polytechnic. The study was conducted on November 29, 2021 to February 9, 2022 using 100 broilers. This study used a completely randomized design (CRD) using 4 treatments and 5 replications, the treatment in question was drying in the sun for 2 days, oven at 50 °C for 7 hours, oven at 100 °C for 15 minutes, and scalding at a temperature of 96 °C for 1 minute. The results of the analysis of the various effects of using maggot *black soldier fly* flour (*Hermetia illucens*) with various physical processing techniques as much as 11.25% in broiler rations showed the average value had no significant effect ($P>0.05$) on ration consumption, weight gain body, feed conversions/FCR (*Feed Conversions Ratio*)

Keywords: broiler, maggot, performance