POTENTIAL DIFFERENCE OF MATERIALS SUBSTITUTION WASTE FLOUR SHRIMP AND SHELL CRAB FLOUR ON THE BLOOD CHOLESTEROL LEVELS LAYING DUCKS

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ABSTRACT

This research aims to evaluate the waste of shrimp and wastes of crab in rations on blood cholesterol levels of laying ducks. The used materials were a 28-week-old laying ducks strain as much as 18 birds. The experiment was conducted using the method eksperimental with completely randomized design (CRD). The treatments consiststed of three kinds of rations, each treatment was repeated six times. P0 = 100 % the basal feed, P1 = 90% the basal feed + 10% of flour shrimp waste, P2 = 90% the basal feed + 10% crab shell flour. The variables measured were blood cholesterol levels. Results of analysis of variance showed that were significantly (P> 0.05) did not affect the cholesterol-lowering effects of blood. The mean cholesterol levels of blood, P0 = 81.9617 a ± 7.48217; P1 = 114.6850 a ± 6.65325; P2 = 165.4100 b ± 47.04630. The conclusion that the substitution of feed at a dose of 10% flour shrimp waste and crab shell flour did not lower blood cholesterol levels in laying ducks.

Key words : laying ducks, shrimp waste, shell crab, cholesterol level of blood