THE EFFECT OF GIVING MILKFISH (*Chanos chanos*) BONE FLOUR ON THE EGGSHELL QUALITY OF ISA BROWN

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ABSTRACT

The purpose of this research was to know that the milkfish (*Chanos chanos*) bone flour affected calcium level, thickness, and weight of 88 weeks old Isa Brown eggshell. There are 40 Isa Brown with 83 weeks of age were randomized into 4 treatments, with 5 repetitions, and each repetition consisted by 2 hen. The treatment are the levels milkfish (*Chanos chanos*) bone flour to commercial feed, they are P0 with milkfish (*Chanos chanos*) bone flour 0%, while the P1, P2 and P3 containing milkfish (*Chanos chanos*) bone flour 2%, 3% and 4% respectively. Based on the result of Analysis of Variance (ANOVA) it can be seen that there was not significantly different (P>0.05) to calcium eggshell level, respectively 12,435% (P0); 12,953% (P1); 12,145% (P2); and 12,049% (P3). Not significantly different (P>0,05) to thickness of eggshell, respectively 0,550 mm (P0); 0,606 mm (P1); 0,588 mm (P2); and 0,608 mm (P3). Not significantly different(P>0,05) to weight of eggshell, respectively 6,610 g (P0); 6,978 g (P1); 6,532 g (P2); and 7,092 g (P3). It can be concluded that the giving milkfish (*Chanos chanos*) bone flour of 2%, 3%, and 4% are no effect for calcium eggshell level, thick of eggshell, and weight of eggshell.

Keywords: milkfish (*Chanos chanos*) bone flour, Isa Brown, calcium eggshell level, thick of eggshell, weight of eggshell.