

Effect of Hygiene Hatching Eggs of Hybrid Duck (*Anas platyrhynchos domesticus*) on Hatching Performance

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ABSTRACT

The purpose of this study was to determine the effect of salt solution and inversion frequency on the hatching performance of hybrid duck eggs. Materials from this study include table salt, plain water, hybrid duck eggs, and manual hatching machines. This study used a randomized block design (RBD) with 4 treatments and 6 replications. The 30% saline solution disinfection treatment included P1 (swept dirty), P2 (manual dirty), P3 (wiped clean) and P4 (manually clean) with a total of 240 items hybrid duck eggs. Parameters observed included the percentage of mortality, hatchability and hatching weight of hybrid ducks. Data analysis of hybrid duck hatching egg disinfection results on hatching performance used the Analysis of variance and if there were significant differences it was continued with the Duncan's New Multiple Range Test. The results showed that the salt solution and the inversion frequency had no significant effect on the hatching performance of hybrid duck eggs.

Keywords: *Saline Solution, Duck Eggs, Mortality, Hatchability, Hatching Weight*