EFFECT OF HATCHING EGG WEIGHT ON HATCHABILITY AND HATCH WEIGHT OF DOD (Day Old Duck) HYBRID DUCK (Anas platyrhynchos domesticus)

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ABSTRACT

Fulfilling the needs of the duck population can be done by paying attention to the hatching process, to obtain good seeds that are influenced by the weight of the hatching eggs. So the purpose of this study is to determine the effect of hatching egg weight on hatchability and hatching weight. This study used the RAL method (completely randomized design) with 3 treatments: grade 1: (70-79) gr, grade 2: (60-69) gr, grade 3: (50-59) gr with 4 replicates, each replicate using 5 eggs so that the total number of hatching eggs used is 90 eggs. Data analysis used the Duncan test with a level of 5% and the parameters used were hatchability, mortality and percentage of hatching weight. The results of the analysis using the Duncan test showed that the grade treatment on the hatching eggs had a significantly different effect (P<0.05) on hatchability, mortality and hatching weight percentage, and had the same DOD characteristics such as bright eyes, shiny fur, no deformed, wide beak not bent, dry DOD not slimy, stiff not dry, anal wet, DOD agile. Based on the results of the study it can be concluded that the results of the study had a significant effect on hatching egg weight on hatchability at grade 2 with a weight of 60-69 gr and the weight of the hatching eggs would produce hatching weights according to the weights of hybrid ducks hatching eggs and the treatment of hatching egg weights showed significantly or significantly different results (P<0.05) on hatchability, mortality and percentage of hatching weight of hybrid ducks. Suggestions from this study for further research should be carried out using modern incubators in order to determine hatchability, mortality and percentage of hatching weight.

Keywords: hybrid ducks, grade, hatching weight, hatchability, mortality, hatching weight, percentage of hatching weight