

**THE EFFECT OF GOLDEN APPLE SNAIL FLOUR ADDITION IN FEED
TO EGG WEIGHT, EGG SHAPE INDEX, AND EGG SHELL THICKNESS
ON MOJOSARI DUCK EGGS**

Muchamad Rizal Wahyu Pratama

ABSTRACT

Ducks in Indonesian is potential producing eggs besides chicken, in an effort to fulfil animal protein needs in addition to the role of poultry sector, waterfowl also gave considerable resources as producing eggs. Poultry products cost more on high feed prices, which means we need to look to feed alternative, that is easily to get and cheap so that the golden apple snail can be used an animal feed alternative because it contains protein, calcium and phosphorus. The aim of this research was to evaluate the effects of the adding of the golden apple snail flour in the feed in Mojosari ducks on egg weight, egg shape index and egg shell thickness. This research used 20 Mojosari ducks and separated to 4 treatments by adding the golden apple snail flour (4 types concentrations were used namely 0%, 2%, 4% and 6%). The results of this research showed the golden apple snail flour at a concentration of 6% in feed raised in Mojosari ducks on egg weights only. The golden apple snail flour at a concentration of 6% in feed did not have an effect on egg shape index and egg shell thickness of Mojosari ducks.

Key words : Golden apple snail, Mojosari duck, egg weight, egg shape index, egg shell thickness.