The Effect of Different Levels of Fish-Cassava Silage Addition in Ration on Local Duck Egg Quality

A. Sulaeman, Rukmiasih, M. Ridla
Department of Animal Production, Faculty of Animal Science,
Bogor Agricultural University

The objective of this experiment was to study the effect of different levels of fish-cassava silage addition in ration on local duck egg quality. The experiment was conducted in Research Field of Poultry Nutrition Laboratory and Poultry Product Science Laboratory, Department of Animal Production, Faculty of Animal Science, Bogor Agriculture University, from July 12th 2000 until September 10th 2000. Ninety local duck, six month old, were used and randomly housed into nine pens in a litter system. Each pens consist of 10 ducks. Randomly complete Design was aplied to determine three levels of fish-cassava silage i. e., R1 (0% fish-cassava silage), R2 (20% fish-cassava silage) and R3 (40% fish-cassava silage) on egg mass, haugh units score, yolk colour score and shell thickness. The results of this experiment showed that fish-cassava silage did not affect on egg mass, haugh units score and shell thickness, however significantly ($P<0.01$) reduced yolk colour score. It can be concluded that fish-cassava silage might be used in duck ration to substitute corn and fish meal as energy and protein source. However to increase egg yolk colour the addition of carotenoid pigment was recommended.