This research aims to determine the effect of the use of shrimp waste and crab shell on the quality egg weight and duck shell eggs weight. This research used 18 female mojosari ducks aged 24 weeks which were randomly distributed into three treatments consider of six replicates. Substitution treatment given that feed the ducks with flour shrimp waste and crab shell, with each treatment is diet containing 0% flour of shrimp and crab waste (P0), 10% flour of shrimp waste (P1) and 10% crab shell flour (P2). The experiment was performed for 28 days. Egg weight and duck eggshell weight test was assessed in the last week of the experiment. The data were analyzed using analysis of variance and continued with Duncan’s test for significantly different results. Results of analysis of variance showed that the use of flour shrimp waste and crab shell as much as 10% in the ration can provide real difference (p<0.05) in heavy egg and duck shell eggs. Duck egg weight scores for each treatment in sequence 58.34 g; 64.09g and 62.13g. Duck egg shell weight scores for each treatment in sequence 6.71g; 8.13g and 7.63g.

Keywords: mojosari ducks, feed, shrimp waste, crab shell, egg weight, egg shell weight