ABSTRACT


Keywords: Arabian Chiken, arabian chicken egg yolks, broiler chicken feet flour, Cholesterol, fatty acids.

Arabic chicken (Gallus turcicus) is a type of free-range chicken eggs that have the potential to produce high enough eggs to reach 60% that is 225 eggs / year. The Egg yolk is a much-loved part. through feeding is a solution to minimize the content of cholesterol and fatty acids in chicken egg yolks. Broiler chicken feet is one of the non-carcasses material of chiken wich potentially be abundant, in terms of their chemical viewis broiler chicken feet contains linoleic fatty acid of 189,167 mg/liter. linoleic acid is known to have anti-atherogenic effects that can lower cholesterol and saturated fatty acids and can increase the unsaturated fatty acids. The purpose of this research was conducted is to determine the influence of broiler chicken feet meal as substitution of fish meal in the ration toward cholesterol and fatty acids rates in Arabian chicken egg yolk Arabic.

This research is an experimental research which uses 20 arabian hens 1 year old female weighing 1 ± 1.5 kg. This study used a completely randomized design (RAL) with 5 treatments that is by addition of flour of broilers feet 0%, 4%, 6%, 8%, 10% with 4 repetitions. Cholesterol and fatty acids rates that have been calculated were analyzed using one-way ANOVA If the calculation results significantly different, then further tests with BNT 0.01 is conducted.

The research showed that the feeding of broiler chicken feet meal as fish meal substitution, affecting the levels of cholesterol and fatty acids rates of Arabian chiken egg yolk (Gallus turcicus).