

ABSTRACT

THE IMPROVEMENT OF EGG QUALITY BY ADDING VITAMIN C AND E IN DIET OF CAT FISH (*Mystus nemurus*) BROODSTOCK

By

Sudarmono

Cat fish cultivation has developed, but it's not followed by high production levels, because it is not supported by good quality production of seed. One way to increase the quality of eggs by improve of broodstock nutrition. Eggs quality affected by fatty acids available. Vitamin C and E an important to held maintain fatty acids availability as an energy source for larva development. The research to asses the influence dietary effect of vitamin C and E on the broodstock diet to improve the quality of eggs. This research used Completely Randomized Design (CRD) with five treatments, the addition of vitamins to feed (by adding vitamin C 3000 mg/kg feed and without vitamin E, vitamin C 2000 mg/kg and vitamin E 60 IU/kg feed, vitamin C 1500 mg/kg and vitamin E 120 IU/kg feed, vitamin E 240 IU/kg feed without vitamin C, and control) with three replications. The results showed the addition of vitamin C and E doesn't give a significant effect to increase the quality of eggs.

Key words:

Vitamin C and E, Fatty Acids, Eggs quality.