ABSTRACT

EFFECT OF DIETARY VITAMIN C ADDITION FOR CATFISH (Pangasianodon hypophthalmus) IMMUNITY THAT INFECTED BY Aeromonas hydrophila

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Catfish is one freshwater fish species economically that is now being cultivated by fish farmers in Indonesia. One of the constraints of the catfish farming is a disease caused by Aeromonas hydrophila. The use of the addition of vitamin C in the study to prevent bone deformities, improve growth, preventing the negative effects of environmental disturbance or stress, accelerate wound healing and enhance natural immunity against bacterial infections. The purpose of this study was to determine effect of adding vitamin C in the dietary made from velvet bean meal surly toward survival in catfish. The model used is the RAL design with the addition of Vitamin C treatment (0 g / kg of feed, 0.5 g / kg of feed; 1 g / kg of feed, 1.5 g / kg of feed and 2 g / kg of feed), which maintained a solid stocking 10 fish / aquarium for 21 days. The results showed that the addition of Vitamin C in the diet significantly influenced survival catfish. The best dose of Vitamin C in the addition of feed to produce a survival rate, the highest is 1 gram / kg of feed.

Keyword: Catfish, Vitamin C, Aeromonas hydrophila