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AQUACULTURE & FISHERIES INNOVATION LAB

RESEARCH REPORTS

Sustainable Aquaculture for a Secure Future

Title: Effects of Vitamin C on growth and immune parameters of snakehead culture in hapa

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Abstract: The experiment was carried out to evaluate the appropriate supplementation method and dose of vitamin C supplemented in feed in order to stimulate on growth and healthy parameters of snakehead (*Channa striata*). The study was conducted in 5 months, including 2 experiments. The first experiment consisted of 4 treatments of feed A supplemented with different vitamin C of 0, 500, 750 and 1000 mg/kg of feed during processing. The second experiment also included 4 treatments of feed B mixed with the same level of vitamin C as with feed A by traditional method. The results showed that the -inclusion of vitamin C in pellet feed before extrusion was recorded better growth performance, survival rate and fish health compared to addition of vitamin C by traditional method in daily. Addition of vitamin C in diet for snakehead in commercial pellet feed at a level of 500 mg/kg of feed enhanced fish growth performance, survival rate, fish health and increasing profit.

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