EFFICACY OF YEAST CELL WALL ON DETOXIFICATION OF AFLATOXIN B1 IN DIET OF TILAPIAN FISH, *Oreochromis sp.*

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Efficacy of yeast cell wall on detoxification of aflatoxins (AF) in diet of the tilapia fish was evaluated. Three levels of AF (1, 10 and 50 mg/kg) and 0.2% yeast cell wall (YCW) were mixed in fish feed. After 8 weeks of experiment, fish fed AF without adding YCW reduced weight gain significantly as compared to the control. Inclusion of YCW in the diets prevented the growth inhibitory effects produced by AF. In addition, fish fed YCW showed protection against liver damages after observed the reduction of hepatocellular enzyme and histopathological changes produced by toxicity of AF. These results indicate that inclusion of YCW in contaminated feeds can reduce aflatoxicosis in the tilapia fish.