Effect of cysteamine on growth performance in Juvenile Red Tilapia (*Oreochromis sp.)*

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Abstract Six-hundred juvenile sex-reversed red tilapia, at 45 days of age with an average of 5.55±0.13 centimeters in total length and 3.71±0.28 grams in weight were randomly divided into six groups of 100 fishes each. There groups were fed diet with cysteamine at concentration of 0, 20, 40, 80, 120 and 160 ppm respectively for 60 days. Body weight, standard length, total length, body depth and body width were randomly recorded of 30 fishes in each group every week, and formulated Average Daily Gain (ADG), Percentage Weight Gain, Feed Conversion Rate (FCR) and Feed Conversion Efficiency (FCE). Fish fed cystemine-80ppm treatment showed higher significant differences of growth performance than other group.

Keywords : cysteamine, red tilapia (*Oreochromis sp.*), average daily gain (ADG), percentage weight gain, feed conversion rate (FCR)