Abstract

An experiment was conducted to determine the effect of replacement of soybean meal with silkworm meal (*Bombyx mori*) (SWM) on growth performance and antioxidant status of grass carp (*Ctenopharyngodon idella*). Four isonitrogenous and isocaloric diets were prepared with varying levels of replacement of soybean meal with SWM at control (0%), 25%, 50%, 75% were provided at 3% live fish body weight for 60 days. Fish growth rate and feed utilization parameters was higher in fish fed diet with 25% inclusion levels as compared to control and other treatment groups. 25% showed higher final weight (FW), specific growth rate (SGR), percent weight gain (WG%) as compared to control, 50%, and 75%. There were no significant differences observed in antioxidant enzymes of liver (LPO and SOD) ($p > 0.05$). However, GSH and GST showed significant difference ($p < 0.05$).