

Effect of extruded feed contains native probiotic on growth performance and survival rate in rainbow trout

(*Onchorhynchus mykiss*)

Sadeq Karimzadeh^{1*}, Dabir Rezaee², Abdolreza Abkar³, Ahmad Mirahmadi Shalomzari⁴

1-Rudaki Mazandaran Higher Education Institut

2, 4- Nutrition chemists Company

3-Tak Gene Company

* Corresponding Author: Journal_ap@yahoo.com

Abstract

The aim of this study was to investigate the effect of extruded feed contains native probiotic on growth performance, and survival rate in carp. In a completely randomized design 1600 fish were allocated to 2 treatments with 3 replicates. Probiotics will be added to the diet at the rates of 0 and Dipro1 kg/ton. The results showed that in treatment received probiotic had significantly final body weight, feed conversion ratio and daily growth better than the other groups ($P < 0.05$). The survival rate in fish with treatments not significant. It is concluded that adding extruded feed contains probiotic to fish diet increased growth performance compared to the control treatment.

Keywords: probiotic, extruded feed, feed conversion ratio, survival, rainbow trout