

# **Effect of replacement of fish meal with soybean meal and fermented soybean meal on body weight gain and feed conversion ratio in bluga (*Huso huso*)**

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## **Abstract**

In the present study, evaluated the effect of replacing fish meal with soybean meal and fermented soybean meal on weight gain and feed conversion ratio of *Huso huso*. For this purpose, fish with a mean initial weight  $350.56 \pm 0.59$  gr with 3 treatments, each with three replicates for 10 weeks. Treatments were C (0% soybean meal), T1 (70% soybean meal), T2 (70% fermented soybean meal). At the end, a significant difference was observed in growth performance and feed conversion ratio ( $p < 0.05$ ). By replacing 70% soybean meal with fish meal, percentage of weight gain decreased and feed conversion ratio increased. However, feeding fish with fermented soybean meal significantly reduced the negative effects of soybean meal ( $p < 0.05$ ). The replacement of 70% fermented soybean meal in the diet improved the growth factors including body weight gain and feed conversion ratio.

**Keywords:** Bluga, Soybean Meal, Fermentation