INITIAL REARING OF EARLY STAGES OF PIKEPERCH (*SANDER LUCIOPERCA*) UNDER CONTROLLED CONDITIONS USING DIFFERENT FEEDING STRATEGIES

Počáteční odchov raných stádií candáta obecného (Sander lucioperca) v kontrolovaných podmínkách s použitím různé strategie krmení

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Abstract: After initial feeding of pikeperch fry by living natural diet, sequential feeding trials using two different fish diets were realized. Production indices obtained during 24 hours of feeding test using Perla diet (62 % protein, 10 % fat, and 11 % carbohydrates) and DanEx 1352 (52 % protein, 13 % fat, and 17 % carbohydrates) were compared. Pikeperch fry with a total length (TL) of 20.0 mm and body weight (w) of 0.07 g was used for this experiment. Fish variant fed by Perla was divided into two different tanks having same fish density (six individuals.L^{-1}). Plastic tanks of 30 L with non-transparent walls (variant A) and aquaria of 9 L (variant C) connected to closed recirculation system. Plastic tanks were used for variant fed by DanEx 1352 as well (variant B). Each variant was done in triplicate. At the end of the experiment, fish from variant A obtained the highest values of monitored indices TL 33.37 mm, w 0.35 g, and SGR 8.68 %.d^{-1}compared to TL 33.07 mm, w 0.34 g, SGR 8.62 %.d^{-1} (variant C) and TL 31.84 mm, w 0.29 g, SGR 6.95 %.d^{-1} (variant B) respectivelly. Differences were not statistically significant ($P>0.05$).

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