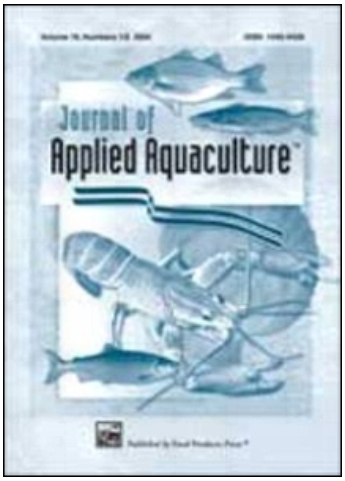

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The Effect of Low Salinity Water with Different Ionic Composition on the Growth and Survival of *Litopenaeus vannamei* (Boone, 1931) in Intensive Culture

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The effects of four different ionic composition low salinity water (T_1, T_2, T_3, and T_4), on growth and survival of Litopenaeus vannamei *marine shrimp juveniles were investigated. Shrimp culture in seawater (T_m) was used as control treatment. The results indicated that there were no significant difference ($P < 0.05$) in growth, survival, production, and feed conversion ratio (FCR) of* L. vannamei *juveniles reared in the different treatments, but significant differences ($P < 0.05$) were observed between each of them when compared with seawater (T_m). After 84 days, culture shrimp grew from 0.02 to 7.58 g in T_1. The lowest growth rate was attained in T_3 (0.57 g/week), in which potassium and calcium ions concentrations were the lowest (0.58 and 28.00 mg/L, respectively). The recorded survival rate (76.35% to 79.55%) is considered well for*

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