

## **GROWTH AND SURVIVAL OF *PENAEUS MERGUIENSIS* POSTLARVAE AT DIFFERENT SALINITIES**

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### **Abstract**

The growth and survival of postlarval *Penaeus merguensis* were examined to optimize conditions and improve farm production. Postlarvae were subjected to one of four salinities (5-35 ppt) for a period of 28 days. Results indicated maximum survival at 25 ppt while the best growth rate was obtained at 15 ppt. The highest performance index was obtained at 15 ppt. Hence, 15 ppt was found to be the optimum salinity for the production of *P. merguensis* postlarvae. The fast growth rate and good tolerance of *P. merguensis* larvae to a wide range of salinity in captivity indicate that *P. merguensis* is a promising candidate for aquaculture.

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