

EFFECT OF PHYSICO-CHEMICAL PARAMETERS OF REARING WATERS
ON SURVIVAL RATES OF LARVAE AND POST-LARVAE OF
Penaeus monodon IN TWO HATCHERY SYSTEMS

RAY LAURON ALINDONG

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ABSTRACT

Physico-chemical parameters such as temperature, pH, salinity and D.O. of the small-scale and large-scale hatchery system were monitored daily for a duration of two months. The relationship between the physico-chemical parameters and the survival of the different larval and post-larval stages between the two hatchery systems was then determined. Results showed that the physico-chemical parameters obtained from the small-scale hatchery system were favorable to the survival of the larval stages of the prawn. However, the physico-chemical parameters obtained from the large-scale hatchery system were more suitable for the growth of the post-larval stages.