

พิมพ์ต้นฉบับบทคัดย่อวิทยานิพนธ์ภายในกรอบสี่เหลี่ยมนี้เพียงแผ่นเดียว

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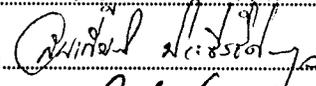
The present study is to compare the efficiency of five C-vitamins (~200 ppm of ascorbic acid equivalent) on development, growth, survival and salinity stress resistance of black tiger prawn *Penaeus monodon* larvae. Six semi-purified diets including ascorbate-2-monophosphate diet (M), ascorbate-2-polyphosphate diet (P), non vitamin C supplemented diet (N), ascorbate-2-sulfate diet (S), L-ascorbic acid diet (A) and coated ascorbic acid diet (C) were fed to three larval stages (zoea, mysis and postlarva). The larvae fed with diet P showed the highest growth and survival rate of postlarva stage. The zoea fed with diets M, P and S and the mysis fed with all C-vitamin supplemented diets showed no significant difference on survival rate ($P < 0.05$). The larvae fed with non vitamin C supplemented diet had the lowest survival rate for all stages. The diet S showed the highest ascorbic acid (AA) content but the larvae fed with this diet had the AA content in tissue less than those of the larvae fed with diets P and M. The diets C and A had low AA content, and the larvae fed with these diets also had low AA content in tissue. Moreover, the tolerance in 0 ppt salinity stress test of the P group was better than those of the M, S, C, A and N groups, respectively.

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