Studies on Maturation of Banana Shrimp, *Penaeus merguiensis* in Growout Pond by Feeding Supplemented Vitamin E Pellet and Fresh Feed

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Abstract

Experiment was conducted to study on maturation of banana shrimp (*Penaeus merguiensis*) in earthen pond by feeding 3 types of feed. The experiment was CRD with 3 treatments and 2 replicates as follows; pellet feed, pellet + VE pellet and pellet + fresh feed. Results showed that banana shrimp fed pellet feed and pellet feed + VE pellet obtained growth rate in terms of length and percentage of gravid female better than pellet feed + fresh feed (p<0.05). However, percentage of sperm densities in spermatophores, percentage of mated female and percentage of sperm densities in thelycum of all groups were not significant different (p>0.05). The group fed with pellet feed + VE pellet and pellet feed gave no significant different in percentage of gravid female (p>0.05) but the former gave better growth rate in terms of length than the latter (p<0.05).

Key words: *Penaeus merguiensis*, pellet feed, vitamin E, fresh feed, gravid female

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