Culture of Spotted Babylon (*Babylonia areolata* Link, 1807) in Concrete Tanks with Different Environment

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Abstract

Culture of spotted babylon (*Babylonia areolata* Link, 1807) in concrete tanks with different environment was carried out at Chanthaburi Coastal Fisheries Research and Development Center for 6 month with 4 treatments 3 replications. Treatment 1 was plastic net cage in concrete tank. Treatment 2 was plastic net cage and sand substrate. Treatment 3 was concrete tank without sand substrate. Treatment 4 was concrete tank with sand substrate. The average shell length of spotted babylon seed was 1.23±0.14 cm and average weight was 0.34 g. Culture 600 individuals/tank (300 individuals/m²) fed with fresh fish *Selaroides leptolepis* once daily. At the end of experiment, the average shell length of spotted babylon of treatment 1, 2, 3 and 4 were 3.21±0.08, 3.47±0.03, 3.18±0.04 and 3.39±0.02 cm the average weight were 6.44±0.27, 8.87±0.31, 5.99±0.24 and 7.69±0.10 g the average production were 3,866.7±160.7, 5,323.3±186.4, 3,550.0±180.3 and 4,613.3±56.8 g respectively with the difference were significant (P<0.05). The result showed that growth and production of treatment 2 was highest. The average survival rate of treatment 1, 2, 3 and 4 were 100, 100, 98.78±1.55 % and 100 % respectively with non significant (P>0.05).

Key words: Spotted babylon (*Babylonia areolata* Link, 1807), culture, concrete tanks

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