Nursing of Blue Spotted Grouper (*Plectropomus leopardus* Lacepede, 1802) in Net Cage with Fresh Fish and Formulated Feed

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Abstract

Fresh fish and formulated feed were use for nursing Blue-spotted grouper (*Plectropomus leopardus* Lacepede,1802) in floating net cage of 1.0 × 2.0 × 1.5 meter had been conducted at Trat Coastal Fisheries Research and Development Center during June 1\(^{st}\) – August 4\(^{th}\) 2009. The result show that fresh fish and formulated feed had average initial length of 4.63 ± 0.53 and 4.35 ± 0.48 centimeters, average initial weight of 1.66 ± 0.48 and 1.37 ± 0.43 grams. When the experiment ended, there get average final length of 11.25 ± 0.91 and 10.03 ± 0.95 centimeters, Average final weight of 20.97 ± 4.99 and 13.34 ± 3.86 grams. Average growth rate was 0.102 ± 0.017 and 0.087 ± 0.015 centimeters/day or 0.297 ± 0.078 and 0.087 ± 0.015 grams/day. FCR was 3.30 ± 0.33 and 2.71 ± 0.14. Average survival rate was 89.50 ± 5.61 and 90.40 ± 4.53 %. And average feed cost was 1.57 ± 0.14 and 1.44 ± 0.24 baht/fish individual, respectively. The statistical test shown that average final weight and average growth rate of weight of the blue-spotted grouper nursed by raw fish was significantly different (p<0.05) from fish pellets feed. While average final length, average growth rate of length, FCR, and survival rate were non-significantly difference (p>0.05).

Key words : Nursing of Blue-spotted grouper (*Plectropomus leopardus* Lacepede,1802), Fresh fish, Formulated feed

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