

ABSTRACT

THE GROWTH OF BLACK TIGER SHRIMP (*Penaeus monodon*) POST LARVAE 2-13 AFTER TREATED WITH DIFFERENT FEEDING

By

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Feed is source of nutrient and energy from feeding which have influence for fish or shrimp culture. Giving different feed experiment was conducted to determine the effectiveness of feeding based on growth and survival rate for black tiger shrimp (*Penaeus monodon*) with initial average weight 1,17 mg, initial average body length 5,3 mm and old PL 2. Completely randomized design with four treatments and four replications were used giving AMI (naupli *Artemia* was enriched by fish oil), giving BTC (*Branchionus plicatilis* was enriched by *Tetraselmis chuii*), giving BNC (*Branchionus plicatilis* was enriched by *Nannochloropsis*), giving BTN (*Branchionus plicatilis* was enriched by *Tetraselmis chuii* dan *Nannochloropsis*). The data was analyzed with ANOVA and continued with the LSD test. The result showed that giving different feed give different growth. Giving naupli *Artemia* was enriched by fish oil is optimal for black tiger shrimp, growth of body weight 2,61 mg, growth of body length 5,96 mm, and survival rate 89%.

Key words : black tiger shrimp, naupli *Artemia*, *Branchionus plicatilis*, *Nannochloropsis*, *Tetraselmis chuii*, enriched