

ABSTRAK

Budidaya kerang *hotate* (*Mizuhopecten yessoensis*) menjadi komoditas unggulan di Jepang. *Hon-bunsan* memiliki peran penting dalam kegiatan pemilahan benih *hotate* dalam budidaya. Penelitian ini dilakukan untuk mengetahui hubungan panjang dan berat benih *hotate* pada fase *Hon-Bunsan*. Sampel yang digunakan berjumlah 5 sampel dengan dua kali pengambilan pada dua bulan yang berbeda. Pengambilan pertama berjumlah 5 sampel pada bulan Agustus dan pengambilan kedua 5 sampel pada bulan September. Metode penelitian yang digunakan adalah observasi dan random sampling. Parameter yang diukur meliputi panjang cangkang dan berat benih kerang *hotate*. Hubungan panjang dan berat dianalisis dengan regresi linier. Hasil perhitungan hubungan panjang dan berat benih kerang *hotate* pada bulan Agustus dan September bersifat alometrik negatif ($b < 3$) yaitu pertambahan panjang lebih dominan dibandingkan pertambahan berat benih kerang *hotate*.

Kata kunci : *Benih Kerang hotate, Mizuhopecten yessoensis, Hon-bunsan, hubungan panjang berat*



ABSTRACT

The cultivation of hotate mussels (*Mizuhopecten yessoensis*) is a leading commodity in Japan. Hon-bunsan plays an important role in hotate seed sorting activities in aquaculture. This study was conducted to determine the relationship between length and weight of hotate seeds in the *Hon-Bunsan* phase. The samples used amounted to 5 samples with two collections in two different months. The first collection amounted to 5 samples in August and the second collection of 5 samples in September. The research method used was observation and random sampling. Parameters measured included shell length and weight of hotate clam seeds. The relationship between length and weight was analyzed by linear regression. The results of the calculation of the relationship between length and weight of hotate clam seeds in August and September are negative allometric ($b < 3$), namely the increase in length is more dominant than the increase in weight of hotate clam seeds.

Keywords: *Hotate clam seed, Mizuhopecten yessoensis, Hon-bunsan, length-weight relationship.*

