

Kepadatan populasi dan pertumbuhan kerang darah anadara antiquata L. (Bivalvia: Arcidae) di teluk Sungai Pisang. Kota Padang, Sumatera Barat

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Abstrak

Kepadatan dan pertumbuhan kerang darah Anadara antiquata L. di kawasan Teluk Sungai Pisang Kota Padang, Sumatera Barat telah dilakukan dari Maret sampai Desember 2004. Kerang A. antiquata dikoleksi dengan metoda sistimatis sampling. Lokasi pencuplikan kerang A. antiquata dibagi atas tiga strata. Masing-masing strata dibagi atas 3 stasiun berdasarkan kedalaman.

Hasil penelitian menunjukkan bahwa kepadatan tertinggi kerang A. antiquata ditemukan di stasiun 1 strata III yaitu 1.8 ind./m² dan kepadatan terendah di stasiun 3 strata I yaitu 0.9 ind./m². Laju pertumbuhan kerang A. antiquata yang tertinggi ukuran 3 cm yaitu $0,064 \pm 0,043$ cm/ind./15 hari dan yang terendah ukuran 5 cm yaitu $0,009 \pm 0,011$ cm/ind./15 hari dengan persamaan korelasi $Y = 0,087 + 0,0165X$; $r = 0,976$.

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The population density and growth of the cockle Anadara antiquata L. Pelecypoda in Pisang River bay area Padang city, west Sumatera. The research has been done from March to December in 2004. The cockles A. antiquata were collected with systematic stratified method. The cockle A. antiquata collection site were divided three strata. The each strata were divided three station based on the water depth.

Results of the research showed that the highest density of the cockle A. antiquata was found at station 1 strata III (1.8 ind./m²) and the lowest density at the station 3 strata I (0.9 ind./m²). The highest growth rate of A. antiquata was the length 3 cm (0.064 ± 0.043 cm/ind./15 day) and the lowest growth rate was the length 5 cm (0.009 ± 0.011 cm/ind./15 day) with correlation similarity $Y = 0.087 + 0.0165X$; $r = 0.976$.