

Ach Qusyairi. NIM 170341100067. Struktur Komunitas Gastropoda pada Substrat Mangrove Di Desa Lembung Paseser. Di Bawah Bimbingan Dr. Apri Arisandi, S. Pi., M.Si

ABSTRAK

Lembung Paseser merupakan desa yang berada di Kecamatan Sepuluh Kabupaten Bangkalan. Penelitian ini dilaksanakan di lokasi Lembung Paseser. Lokasi tersebut di jadikan lokasi penelitian karena terdapat ekosistem mangrove dan gastropoda. Penelitian ini dilakukan bertujuan untuk mengetahui parameter lingkungan, kepadatan gastropoda, struktur komunitas dan hubungan kerapatan mangrove dengan kepadatan gastropoda di Lembung Paseser. Pengamatan gastropoda menggunakan transek 1m x 1m pada 5 titik pengamatan di setiap stasiun dan mangrove menggunakan transek 10m x 10m, 5m x 5m, dan 1m x 1m di setiap stasiun. Lokasi penelitian ditentukan menggunakan metode purposive sampling. Lokasi penelitian dibagi menjadi 2 stasiun yakni stasiun 1 terletak di dekat laut dan stasiun 2 terletak di muara sungai. Identifikasi jenis mangrove dan gastropoda berdasarkan buku identifikasi. Metode Analisa sedimen menggunakan analisa basah dan kering. Analisa basah menggunakan kertas saring dan analisa kering menggunakan sieve shaker. Analisis data menggunakan regresi linear. Parameter lingkungan yang berada di lokasi ada yang masih dalam kondisi bagus dan ada yang melebihi standar baku mutu. Berdasarkan hasil identifikasi ditemukan 13 spesies gastropoda dan 5 jenis mangrove. Hasil analisis regresi linear sederhana memiliki hubungan yang sangat rendah antara kerapatan mangrove dengan kepadatan gastropoda.

Kata Kunci : Gastropoda, Mangrove, Lembung Paseser

ACH Qusyairi. NIM 170341100067.The Gastropod Community Structure in the Mangrove Substrate in Lembung Paseser Village.Under the guidance**Dr. Apri Arisandi, S. Pi., M.Si**

Abstract

Lembung Paseser is a village located in Ten District, Bangkalan Regency. This research was conducted at the Lembung Paseser location. The location was used as a research location because there are mangrove and gastropod ecosystems. This study was conducted to determine environmental parameters, gastropod density, community structure and the relationship between mangrove density and gastropod density in Lembung Paseser. Gastropod observations used a 1m x 1m transect at 5 observation points at each station and mangroves used a 10m x10m, 5m x 5m, and 1m x 1m transect at each station. The research location was determined using purposive sampling method. The research location is divided into 2 stations, namely station 1 located near the sea and station 2 located at the mouth of the river. Identification of mangrove and gastropod species based on identification book. Sediment analysis method using wet and dry analysis. Wet analysis using filter paper and dry analysis using sieve shaker. Data analysis used linear regression. Some of the environmental parameters at the location are still in good condition and some exceed the quality standards. Based on the identification results found 13 species of gastropods and 5 types of mangroves. The results of simple linear regression analysis have a very low relationship between mangrove density and gastropod density.

Keywords :Gastropod, Mangrove, Lembung Paseser