

ABSTRAK

WENI. Keanekaragaman Jenis Gastropoda di Hutan Mangrove Desa Pelimpaan Kecamatan Jawai Kabupaten Sambas. Dibimbing oleh SLAMET RIFANJANI dan HERLINA DARWATI.

Gastropoda merupakan filum moluska yang dapat dijumpai di hutan mangrove Desa Pelimpaan Kecamatan Jawai Kabupaten Sambas dan dapat dikatakan sebagai bioindikator yang mempunyai kemampuan dalam merespon kondisi perairan secara terus menerus. Tujuan penelitian ini adalah untuk mendeskripsikan keanekaragaman jenis gastropoda di hutan mangrove Desa Pelimpaan Kecamatan Jawai Kabupaten Sambas. Penelitian ini dilakukan dengan menggunakan metode survei dengan teknik pengambilan contoh petak ganda. Jalur dalam penelitian ini dibuat menjadi 5 jalur yang masing-masing terdiri dari 5 petak ukuran 10m x 10m dengan kuadran 1m x 1m sebanyak 3 plot. Berdasarkan hasil penelitian terdapat 10 jenis tumbuhan paku yang termasuk dalam 4 famili. Nilai indeks keanekaragaman gastropoda di hutan mangrove Desa Pelimpaan yaitu 1,47 yang termasuk kategori sedang. Nilai indeks kemerataan jenis 0,64 termasuk dalam kategori labil karena memiliki indeks kemerataan yang sedang. Indeks dominansi 0,35 tidak ada jenis yang mendominasi. Nilai indeks kelimpahan individu di kelima jalur penelitian berkisar antara 6,1-19,2 individu/m². Indeks kesamaan jenis antar jalur penelitian berkisar 75%-100% yang mana mempunyai indeks kesamaan jenis yang tinggi sampai sangat tinggi.

Kata kunci : Gastropoda, Hutan mangrove, Keanekaragaman Jenis

ABSTRACT

WENI. Diversity of Gastropod Species in the Mangrove Forest of Pelimpaan Village, Jawai District, Sambas Regency. Supervised by SLAMET RIFANJANI and HERLINA DARWATI.

Gastropods are a phylum of molluscs that can be found in the mangrove forest of Pelimpaan Village, Jawai District, Sambas Regency and can be regarded as bioindicators that have the ability to respond continuously to water conditions. The purpose of this study was to describe the diversity of gastropod species in the mangrove forest of Pelimpaan Village, Jawai District, Sambas Regency. This research was conducted using a survey method with a double plot sampling technique. The path in this study was made into 5 lanes, each consisting of 5 plots measuring 10m x 10m with a 1m x 1m quadrant consisting of 3 plots. Based on the results of the study there were 10 types of ferns belonging to 4 families. Gastropod diversity index value in the mangrove forest of Pelimpapa Village is 1.47 which is in the medium category. The evenness index value of 0.64 is included in the unstable category because it has a moderate evenness index. The dominance index is 0.35, no species dominates. The individual abundance index values in the five research lines ranged from 6.1-19.2 individuals/m². The similarity index between research lines ranges from 75% -100% which has a high to very high similarity index.

Key words : Gastropods, Mangrove forest, Species Diversity