

Mohammad Syafiuddin NRP : 110341100039 “*Analisis Struktur Komunitas Ekosistem Mangrove di Desa Brenta Kecamatan Tlanakan Kabupaten Pamekasan*”

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ABSTRAK

Ekosistem mangrove merupakan salah satu ekosistem yang ada di kawasan pesisir dan memiliki peranan penting untuk lingkungan dan makhluk hidup. Penelitian terkait ekosistem mangrove menjadi latar belakang dilakukannya penelitian yang bertujuan; 1) mengidentifikasi jenis mangrove. 2) Mengetahui peran penting mangrove. 3) mengetahui kontribusi ekologis mangrove di desa brenta. Metode yang digunakan dalam pengambilan data yaitu metode observasi dan metode studi pustaka dengan analisa kerapatan relatif jenis, frekuensi relatif jenis, penutupan relatif jenis, indeks nilai penting, indeks keanekaragaman, indeks keseragaman, dan indeks dominansi. Hasil dari penelitian ini yaitu; 1) Jenis mangrove yang ditemukan di desa brenta yaitu; *Avicennia alba*, *Avicennia marina*, *Rhizophora apiculata*, *Rhizophora stylosa* dan *Sonneratia alba*. INP memiliki kriteria kisaran sebesar 0 - 300 Indeks nilai penting (INP) mangrove jenis *Rhizophora stylosa* memiliki peran (*dominansi*) dan struktur vegetasi mangrove tertinggi dengan nilai INP =168.35. (memiliki kontribusi terhadap lingkungan rendah sedang). Hasil perhitungan struktur komunitas di Desa Brenta Pesisir yang meliputi tingkat indeks keanekaragaman yaitu pada stasiun 1 – 3 rata-rata dalam kondisi sedang. Indeks keseragaman Desa Brenta Pesisir pada stasiun 1 – 3 kategori sedang. Indeks dominansi Desa Brenta Pesisir pada stasiun 1 – 3 rata-rata rendah (tabel 4.1.1, 4.1.2, 4.1.3).

Kata Kunci : *Mangrove, Indeks Nilai Penting (INP), Stuktur Komunitas.*

Mohammad Syafiuddin NRP: 110341100039 *"Analysis of the Structure of Mangrove Ecosystem Communities in Brenta Village, Tlanakan District, Pamekasan Regency"*

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ABSTRACT

Mangrove ecosystem is one of the ecosystems in coastal areas and has an important role for the environment and living things. Research related to mangrove ecosystems is the background for conducting research aimed at; 1) identify the type of mangrove. 2) Knowing the important role of mangroves. 3) knowing the ecological contribution of mangroves in Brenta village. The method used in data retrieval is the observation method and literature study method with relative density analysis of species, relative frequency of species, relative closure of species, important value index, diversity index, uniformity index, and dominance index. The results of this study are; 1) The types of mangroves found in Brenta village are; *Avicennia alba*, *Avicennia marina*, *Rhizophora apiculata*, *Rhizophora stylosa* and *Sonneratia alba*. INP has a criteria range of 0 - 300 important value index (INP) mangrove type *Rhizophora stylosa* has a role (dominance) and the highest mangrove vegetation structure with INP = 168.35. (has a contribution to the low-middle environment). The results of the calculation of the community structure in Brenta Pesisir Village which includes the level of diversity index is at stations 1-3 on average under moderate conditions. Uniformity index of Coastal Brenta Village on stations 1 - 3 medium category. Dominance of Coastal Brenta Village Index at low average 1-3 stations (table 4.1.1, 4.1.2, 4.1.3).

Keywords: *Mangrove, Important Value Index (INP), Community*