ABSTRAK

Irwan B. Mubin. NPM 05181811038. Analisis Potensi Sumberdaya Hutan Mangrove Kelurahan Figur, Kecamatan Pulau Moti, Kota Ternate. Dibimbing oleh Ikbal Marus dan Zulhan A. Harahap.

Ekosistem mangrove merupakan salah satu ekosistem pantai yang umumnya berkembang dengan baik di wilayah pantai daerah tropis. Ekosistem mangrove Pulau Moti, khususnya di Kelurahan Figur, menyediakan sumber daya yang banyak dimanfaatkan oleh masyarakat sekitar hutan mangrove untuk berbagai kebutuhan hidup mereka seperti tempat menangkap ikan, kerang dan siput, serta kayu untuk bahan bangunan. Pulau Moti ditetapkan sebagai 'Taman Laut' yang bertujuan untuk melindungi, melestarikan, dan memanfaatkan keanekaragaman hayati laut seperti potensi perikanan, terumbu karang, padang lamun, kerapu, kakap, penyu, napoleon, dan hiu. Tujuan penelitian ini yaitu untuk mengetahui potensi sumberdaya hutan mangrove yang ada di Kelurahan Figur, Kecamatan Pulau Moti, Kota Ternate. Pengambilan sampel di lakukan tiga transek di Kelurahan Figur transek 1 sampai transek 3 tidak termasuk dalam kawasan konservasi karena termasuk dalam permukiman masyarakat. Berdasarkan hasil penelitian ini terdapat 5 spesies pohon mangrove yang ditemukan di Kelurahan Figur yaitu, yaitu *Rhizopora apiculata*, *Rhizopora mucronata*, *Soneratia alba*, *Soneratia caseolaris,* dan *Avecenia marina.* Jenis mangrove *Soneratia alba* memiliki nilai kerapatan jenis tertinggi pada transek 1 dengan nilai 0,043 ind/m^2, *Rizhopora apiculata (*0,024 ind/m^2) pada transek 2, dan *Soneratia alba* (0,058 ind/m^2) pada transek 3. Perhitungan Nilai Indeks Penting menghasilkan nilai yang sama untuk ketiga transek, yang menunjukan mangrove termasuk dalam kriteria baik. *Cheritium coralium* merupakan spesies gastropoda yang memiliki kepadatan tertinggi pada lokasi penelitian (27,36 ind/m^2) sedangkan jenis yang ditemukan paling sedikit adalah spesies *Nerita articulata* (10,64 ind/m^2).

Kata kunci: Pulau Kecil, Ekologi Mangrove, Nilai Penting Ekosistem Mangrove, Potensi Sumberdaya Mangrove, Asosiasi Eksosistem Mangrove.

ABSTRACT

Irwan B. Mubin. NPM 05181811038. Analysis of Mangrove Forest Resource Potential, Figur Village, Moti Island District, Ternate City. Supervised by Ikbal Marus and Zulhan A. Harahap.

The mangrove ecosystem is a coastal ecosystem that is generally well developed in tropical coastal areas. The mangrove ecosystem of Moti Island, especially in Figur Village, provides resources that are widely used by the people around the mangrove forest for various needs of their lives such as a place to catch fish, shellfish and snails, as well as wood for building materials. Moti Island has been designated as a 'Marine Park' which aims to protect, preserve and utilize marine biodiversity such as fisheries potential, coral reefs, seagrass beds, groupers, snappers, turtles, napoles and sharks. The goal of this research was to determine the potential of mangrove forest resources in Figur Village, Pulau Moti District, Ternate City. Sampling was carried out on three transects in Figure Village. Transects 1 to transect 3 were not included in the strict protected area but they were in use zones that were close to community settlement area. Based on the research results, there were 5 species of mangrove trees found in Figur Village, namely, *Rhizopora apiculata*, *Rhizopora mucronata*, *Soneratia alba*, *Soneratia caseolaris*, and *Avecenia marina*. The *Soneratia alba* mangrove type had the highest species density value on transect 1 with a value of 0.043 ind/m2, *Rizhopora apiculata* (0.024 ind/m2) on transect 2, and *Soneratia alba* (0.058 ind/m2) on transect 3. Calculation of the Important Index Value produced the similar value for the three transects, which showed that the mangroves were in the good criteria. *Cheritium coralium* was gastropod species having the highest density at the research location (27.36 ind/m2) while species with the lowest density was *Nerita articulata* (10.64 ind/m2).

Key words: Small Islands, Mangrove Ecology, Important Value Of Mangrove Ecosystems, Mangrove Resource Potential, Mangrove Ecosystem Associations.