

ABSTRAK

AMIDA BOSAWER. NPM 05182011044. **Kondisi Mangrove Di Pesisir Pulau Ternate**. Dimbimbing Oleh Hi Dr. Abdurrachman Baksir, S.Pi, M.Si dan Firdaut Ismail, S.Pi, M.Si

Tumbuhan mangrove adalah tumbuhan yang hidupnya berada di tepi pantai dan muara yang masih dipengaruhi oleh pasang surut air laut. Kelurahan Rua kecamatan Pulau Ternate, Kelurahan Gambesi kecamatan Ternate selatan dan Kelurahan Tobololo kecamatan ternate utara adalah kelurahan yang berada di Kota Ternate Provinsi Maluku Utara merupakan salah satu pulau yang memiliki ekosistem hutan mangrove yang tumbuh di pesisir pantai. Untuk mengetahui kondisi mangrove tersebut penelitian bertujuan untuk menganalisis kondisi mangrove dengan metode *hemispherical photography* dan Indeks Nilai Penting (INP). Pengambilan data tutupan mangrove menggunakan metode *hemispherical photography* yang membutuhkan kamera pada satu titik pengambilan foto. Data mangrove dikumpulkan dengan cara membuat transek kuadrat berukuran 10 x 10 m. Hasil penelitian di Pulau Ternate pada 5 transek ditemukan 3 spesies mangrove yaitu *Sonneratia alba*, *Rhizophora apiculata*, *Rhizophora stylosa* dan 1 jenis pohon yang tidak termasuk dalam mangrove sejati yaitu *Callophilum inophyllum* (Nyamplung). Persentase Tutupan Kanopi mangrove di pulau Ternate nilai tertinggi di Kelurahan Rua yaitu sebesar 83.94% - 86.64% kategori sangat padat, dan nilai terendah di Kelurahan Gambesi berkisar 71.019% - 75.61% kategori kategori sedang. Hasil analisis indek nilai penting (INP) di kategorikan tinggi dimiliki oleh jenis pohon yang tidak termasuk dalam mangrove sejati yaitu *C. inophyilum* (Nyamplung) sebesar 300% pada transek 5 (Kelurahan Tobololo) nilainya sangat besar karena hanya memiliki 1 jenis, sedangkan indeks niali penting terendah dimiliki oleh jenis mangrove *R. apiculata* yaitu 66.74% dikategorikan rendah yang terdapat pada transek 1 (Kelurahan Rua).

Kata Kunci: *Mangrove, Pulau Ternate, Hemisperical Photography, Indeks Nilai Penting (INP)*

ABSTRACT

AMIDA BOSAWER. NMP 05182011044. **Condition of Mangroves on the Coast of Ternate Island** Dimbimbing Oleh Hi Dr. Abdurrachman Baksir, S.Pi, M.Si and Firdaut Ismail, S.Pi, M.Si

Mangrove plants are plants that live on beaches and estuaries which are still influenced by the tides of sea water. Rua Village, Ternate Island sub-district, Gambesi Village, South Ternate sub-district and Tobololo Village, North Ternate sub-district are sub-districts in Ternate City, North Maluku Province, one of the islands that has a mangrove forest ecosystem that grows on the coast. To determine the condition of the mangroves, the research aims to analyze the condition of the mangroves using the hemispherical photography method and the Important Value Index (INP). Data collection on mangrove cover uses the hemispherical photography method which requires a camera at one point where the photo is taken. Mangrove data was collected by making quadrat transects measuring 10 x 10 m. The results of research on Ternate Island on 5 transects found 3 mangrove species, namely *Sonneratia alba*, *Rhizophora apiculata*, *Rhizophora stylosa* and 1 type of tree that is not included in true mangroves, namely *Callophilum inophyllum* (Nyamplung). The percentage of mangrove canopy cover on Ternate Island has the highest value in Rua Village, namely 83.94% - 86.64% in the very dense category, and the lowest value in Gambesi Village is around 71.019% - 75.61% in the medium category. The results of the analysis of the importance value index (INP) are categorized as high for tree species that are not included in true mangroves, namely *C. inophyllum* (Nyamplung) at 300% on transect 5 (Tobololo Subdistrict). The value is very large because it only has 1 type, while the value index The lowest importance belongs to the mangrove type *R. apiculata*, namely 66.74%, which is categorized as low, which is found in transect 1 (Rua Village).

Keyword: *Mangrove, Ternate Island, Hemispherical Photography, Importance Value Index (INP)*