

**LEMBAR PERSETUJUAN**  
**SKRIPSI**  
**PEMETAAN KONDISI PADANG LAMUN DI PULAU MOHINGGITO**  
**MENGGUNAKAN CITRA SATELIT QUICKBIRD**

*(Suatu Penelitian di Pulau Mohinggito, Kecamatan Kwandang, Kabupaten  
Gorontalo Utara)*

**Oleh**

**SULASTRI PAKAYA**

**451 409 073**

**Telah diperiksa dan disetujui untuk diuji**

**Pembimbing I**



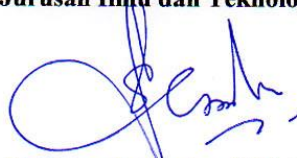
**Prof. Dr. Yoseph Paramata, M.Pd**  
**NIP: 19610815 198602 1 001**

**Pembimbing II**



**Daud Yusuf, S.Kom, M.Si**  
**NIP: 19790415 200801 1 015**

**Mengetahui,**  
**Ketua Jurusan Ilmu dan Teknologi Kebumian**



**Dr. Sunarty Eraku, S.Pd, M.Pd**  
**NIP: 19700903 200012 2 001**

**LEMBAR PENGESAHAN**  
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**Oleh**  
**SULASTRI PAKAYA**  
**451 409 073**

**Telah dipertahankan di depan dewan penguji**

**Hari/Tanggal :**

**Waktu :**

**A. Penguji**

1. Dr. Nawir Sune, M.Si  
Nip. 19631101 198903 1 003


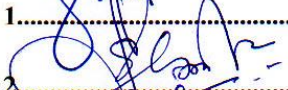



2. Dr. Sunarty Eraku, S.Pd, M.Pd  
Nip. 19700903 200012 2 001

3. Dr. Eng. Sri Maryati, S.Si  
Nip. 19820326 200812 2 003

**B. Pembimbing**

1. Prof. Dr. Yoseph Paramata, M.Pd  
Nip. 19610815 198602 1 001

2. Daud Yusuf, S.Kom, M.Si  
Nip. 19790415 200801 1 015


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2.   
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3.   
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2.   
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**Gorontalo, April 2016**

**Mengetahui**

**Dekan Fakultas Matematika dan IPA**

**Universitas Negeri Gorontalo**

  
**Prof. Dr. Evi Hulukati, M.Pd**  
**NIP. 19600530 198603 2 001**



## ABSTRACT

**Sulastri Pakaya. 2016. Mapping of Seagrass Condition at Mohinggito Island using Quickbird Satellite Image. Department of Earth Science and Technology, Faculty of Mathematics and Natural Science. State University of Gorontalo. The principal supervisor is Prof. Dr. Yoseph Paramata, M.Pd and the co-supervisor is Daud Yusuf, S.Kom. M.Si.**

The research aimed at investigating the condition of seagrass at Mohinggito Island. This research used digital remote sensing with unsupervised classification to find out the seagrass condition at Mohinggito Island which was helped by field measurement to detect and to match the information obtained from quickbird satellite image. Research result of seagrass condition at Mohinggito Island shows that most of seagrass in Mohinggito Island is in a good condition (8,04 Ha) and few of seagrass area is in average (2,73 Ha) and bad condition (0,22 Ha). This research is based on the importance of seagrass as food source for organism in the sea, and seagrass indirectly influences the total number of fish caught by fisherman at Mohinggito Island, Kwandang sub-district, Gorontalo Utara district, Gorontalo Province as one of the outer islands in Gorontalo Province that still has a maintained seagrass. Remote sensing image can facilitate and accelerate the condition of data collection process at seagrass Mohinggito Island. Quickbird image is really helpful in interpreting seagrass condition.

Keywords: *Seagrass, Mohinggito Island, Remote Sensing, Map*

