

LEMBAR PERSETUJUAN PEMBIMBING

Skripsi Yang berjudul

"KAJIAN SEBARAN KONDISI PADANG LAMUN
DI KEC.PONELO KEPULAUAN KAB.GORONTALO UTARA
MENGUNAKAN CITRA SATELIT QUICKBIRD"

Oleh


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LEMBAR PENGESAHAN

Skripsi yang berjudul : Kajian Sebaran Kondisi Padang lamun di Pulau Bogisa
Kec. Ponelo Kepulauan Kab. Gorontalo Utara
menggunakan Citra Satelit Quickbird

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Waktu : 09.00-10.00 Wita

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Gorontalo, Juli 2017

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ABSTRAK

Zulaiha K. Abdjul. 2017. Kajian Sebaran Kondisi Padang Lamun di Pulau Bogisa Kecamatan Ponelo Kepulauan Gorontalo Utara Menggunakan Citra Satelit Quickbird. Program Studi S1 Pendidikan Geografi, Jurusan Ilmu dan Teknologi Kebumihan, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Gorontalo. Pembimbing I Dr. Nawir Sune, M.Si. dan Pembimbing II Daud Yusuf, S.Kom, M.Si. Penelitian ini bertujuan untuk memetakan kondisi padang lamun di Pulau bogisa Kecamatan Ponelo Kepulauan Kabupaten Gorontalo Utara menggunakan Citra Satelit Quickbird. Metode yang digunakan dalam penelitian ini adalah metode deskriptif kuantitatif. Interpretasi citra melalui ENVI menggunakan *klasifikasi unsupervised*, setelah diperoleh peta identifikasi padang lamun maka dilakukan cek lapangan untuk mengetahui kebenaran hasil interpretasi citra, dengan menggunakan metode *transek kuadrat*. Padang lamun di Pulau Bogisa tumbuh membentuk vegetasi campuran dengan rata-rata penutupan lamun 64,843 %. Sebaran padang lamun di Pulau Bogisa 6,697 Ha, dimana padang lamun yang kondisi kaya/sehat seluas 6,296 Ha, dan padang lamun dengan kondisi kurang kaya/kurang sehat adalah 0,481 Ha.

Kata kunci : Pemetaan, Padang Lamun, Pulau Bogisa

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ABSTRACT

Zulaiha K. Abdjul. 2017. A Study of Distribution of Seagrass Condition at Bogisa Island, Ponelo Kepulauan Sub-district, Gorontalo Utara applying Quickbird Satellite Image. Bachelor Study Program of Geography Education, Department of Geo Science and Technology, Faculty of Mathematics and Natural Science, State University of Gorontalo. Principal supervisor is Dr. Nawir Sune, M.Si and Co-supervisor is Daud Yusuf, S.Kom, M.Si. This research aims at mapping condition of Seagrass at Bogisa Island, Sub-district of Ponelo Kepulauan, District of Gorontalo Utara by applying Quickbird Satellite Image. It applies Quantitative descriptive method. Image interpretation which is through ENVI is conducted by applying unsupervised classification. After gaining map of seagrass identification, field check is conducted to find out the certainty of image interpretation result by applying quadrat transect. Seagrass at Bogisa Island has formed varied-vegetation with average of seagrass ultimate for 64,84375%. Distribution of seagrass at Bogisa Island is 6,697 Ha in which seagrass in healthy/well condition is 6,254 Ha, and seagrass in unwell condition is 0,443 Ha.

Keywords: Mapping, Seagrass, Bogisa Island



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Zulaiha K. Abdjul. 2017. A Study of Distribution of Seagrass Condition at Bogisa Island, Ponelo Kepulauan Sub-district, Gorontalo Utara applying Quickbird Satellite Image. Bachelor Study Program of Geography Education, Department of Geo Science and Technology, Faculty of Mathematics and Natural Science, State University of Gorontalo. Principal supervisor is Dr. Nawir Sune, M.Si and Co-supervisor is Daud Yusuf, S.Kom, M.Si. This research aims at mapping condition of Seagrass at Bogisa Island, Sub-district of Ponelo Kepulauan, District of Gorontalo Utara by applying Quickbird Satellite Image. It applies Quantitative descriptive method. Image interpretation which is through ENVI is conducted by applying unsupervised classification. After gaining map of seagrass identification, field check is conducted to find out the certainty of image interpretation result by applying quadrat transect. Seagrass at Bogisa Island has formed varied vegetation with average of seagrass ultimate for 64,84375%. Distribution of seagrass at Bogisa Island is 6,697 Ha in which seagrass in healthy/well condition is 6,254 Ha, and seagrass in unwell condition is 0,443 Ha.

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