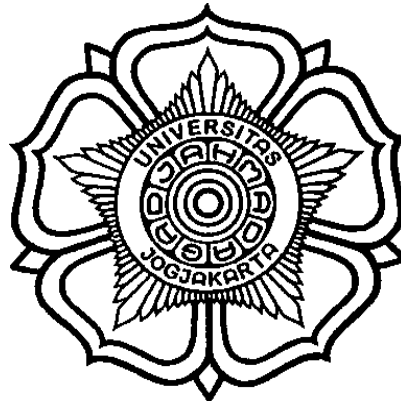


**Analisis Intensitas Perubahan Penggunaan Lahan Pesisir dan
Prediksi Spasial Menggunakan Model CA-ANN
di Pesisir Kota Dumai**

Tesis

Untuk memenuhi sebagian persyaratan mencapai derajat master
Program Studi Magister Ilmu Perikanan



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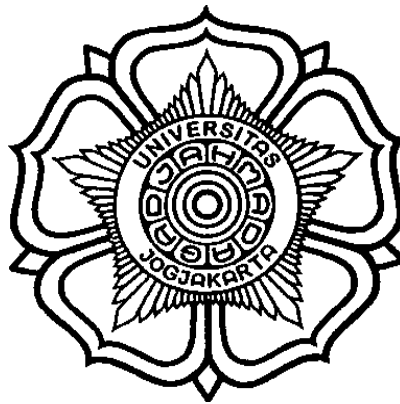
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Program Studi Magister Ilmu Perikanan
PROGRAM PASCASARJANA
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UNIVERSITAS GADJAH MADA
YOGYAKARTA
2026

**Intensity Analysis of Coastal Land Use Change and Spatial
Prediction Using the CA-ANN Model in
the Coastal Area of Dumai City**

Thesis
submitted to
Study Program of Master in Fisheries Science



submitted by:
Awan. M. Sarki
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Master's Program in Fisheries Science
POSTGRADUATE PROGRAM
FACULTY OF AGRICULTURE
UNIVERSITAS GADJAH MADA
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Tesis
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HALAMAN PENGESAHAN

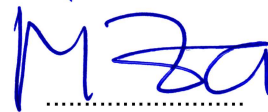
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Tanggal

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Pembimbing Pendamping

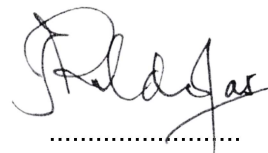
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Penguji

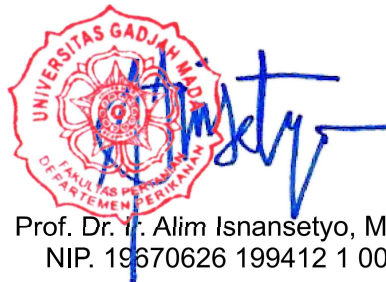
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Tesis ini diterima sebagai salah satu persyaratan
Untuk memperoleh Derajat Master
10 April 2026

Mengetahui,
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Thesis
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APPROVAL PAGE

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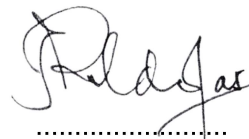
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Examiner

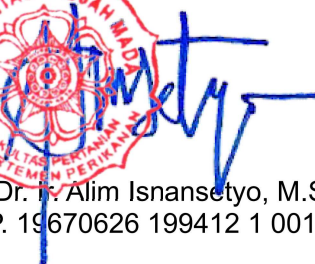
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7 April 2026

This thesis was declared acceptable in partial fulfillment of the requirements
for the master degree in fisheries science
10 April 2026

Approved by
Head of Fisheries Department
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