



PERANCANGAN  
PROTOTYPE WEBSITE GIS  
UNTUK PEMETAAN  
VEGETASI MANGROVE DI  
SEKITAR SELAT SUNDA

# OUR TEAM



**AMALIA RAHMA DINI  
SIHOMBING**



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HERAWATI**



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LUBIS**

# INTRODUCTION

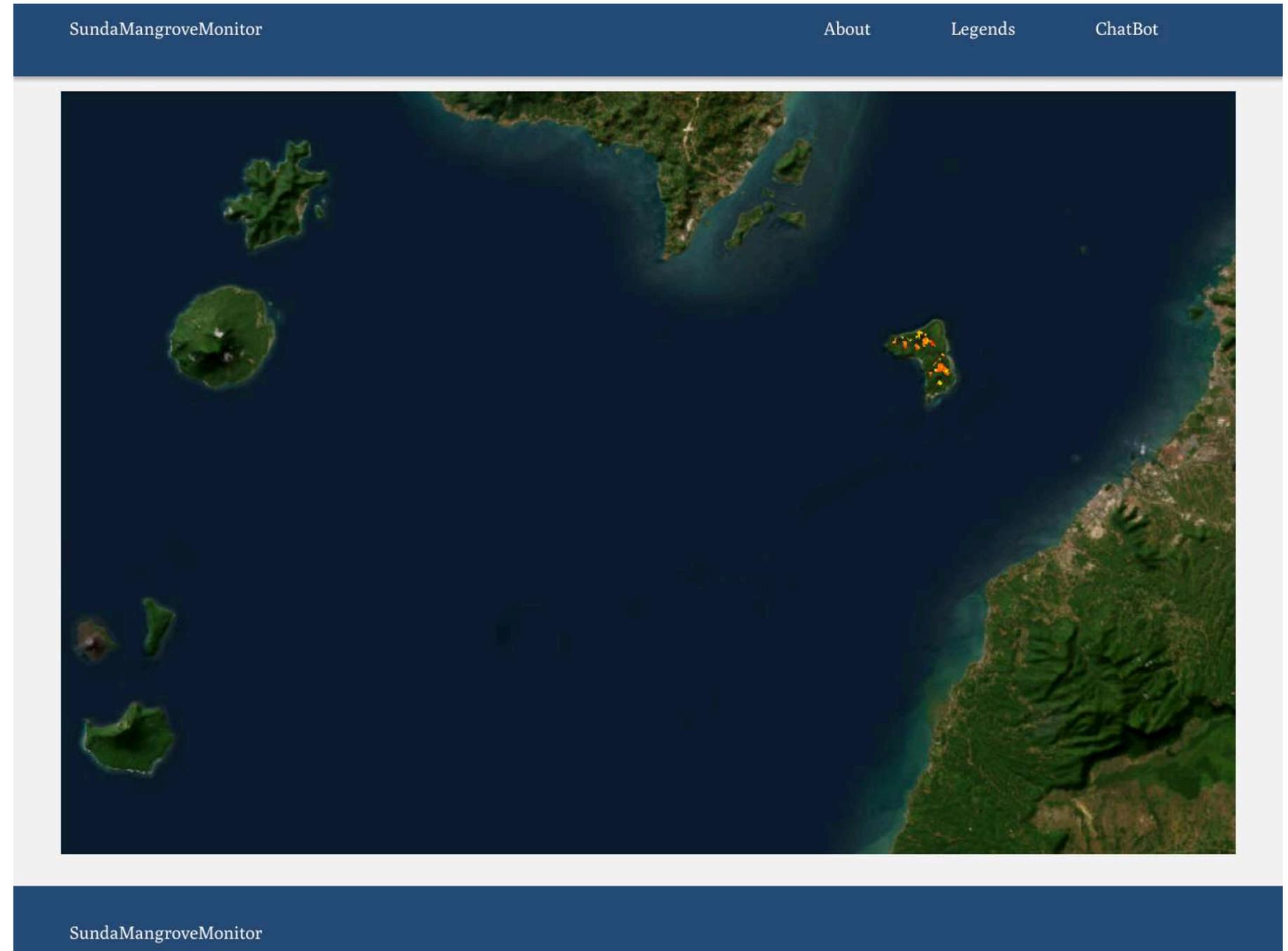
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# RESULTS AND ANALYSIS

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# RESULTS AND ANALYSIS

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The screenshot shows the SundaMangroveMonitor web application. At the top, there is a dark blue navigation bar with the text 'SundaMangroveMonitor' on the left and 'About', 'Legends', and 'ChatBot' on the right. Below the navigation bar is a map area with a light blue border. The map area contains the following text:

Kalianda Ketanang

### ABOUT SUNDAMANGROVEMONITOR

Welcome to our WebGIS platform focused on mapping and monitoring mangrove ecosystems in around the Sunda Strait. Mangroves are vital coastal habitats that protect shorelines, support biodiversity, and sequester carbon. Unfortunately, they face threats from deforestation, coastal development, and climate change.

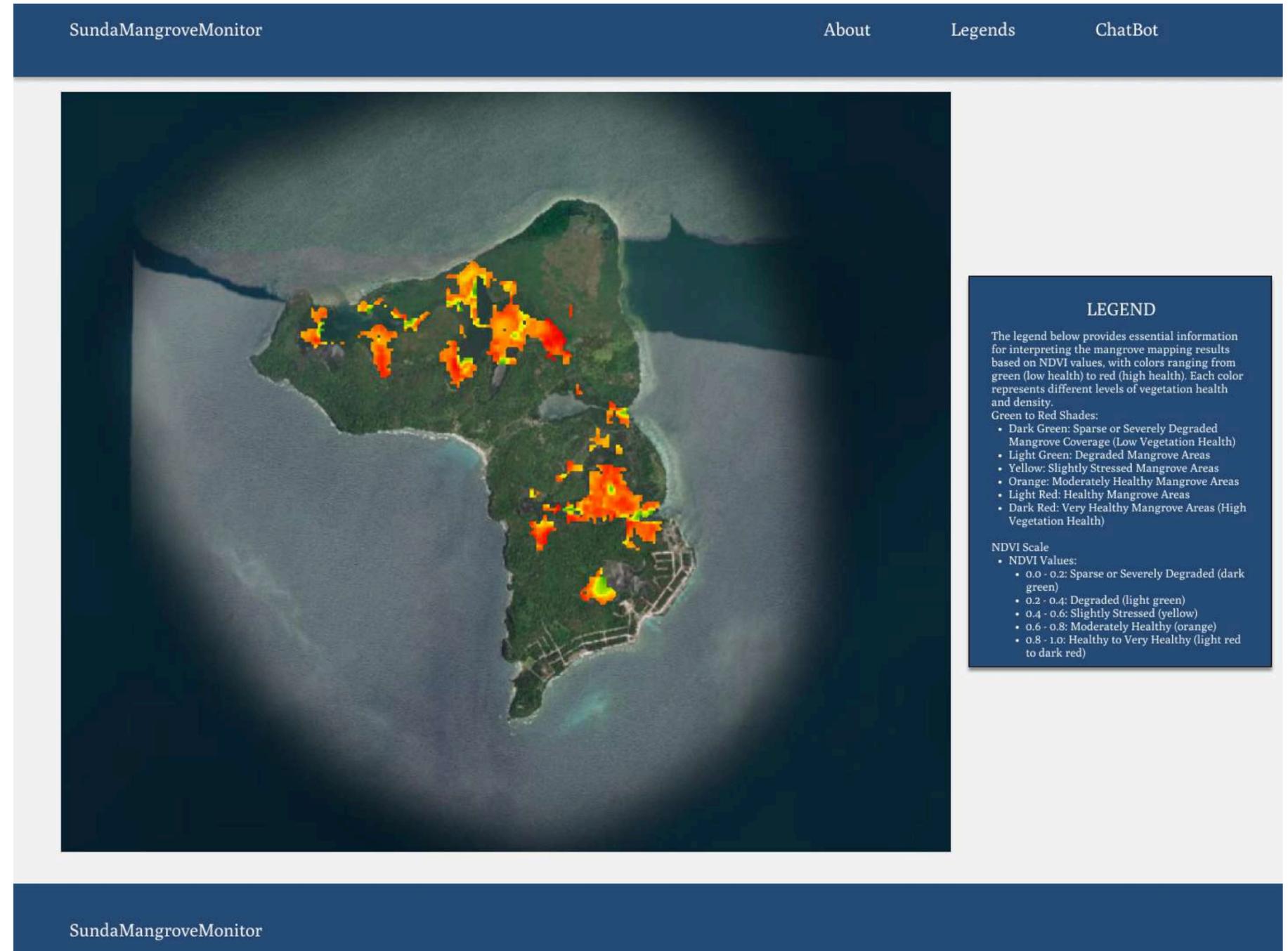
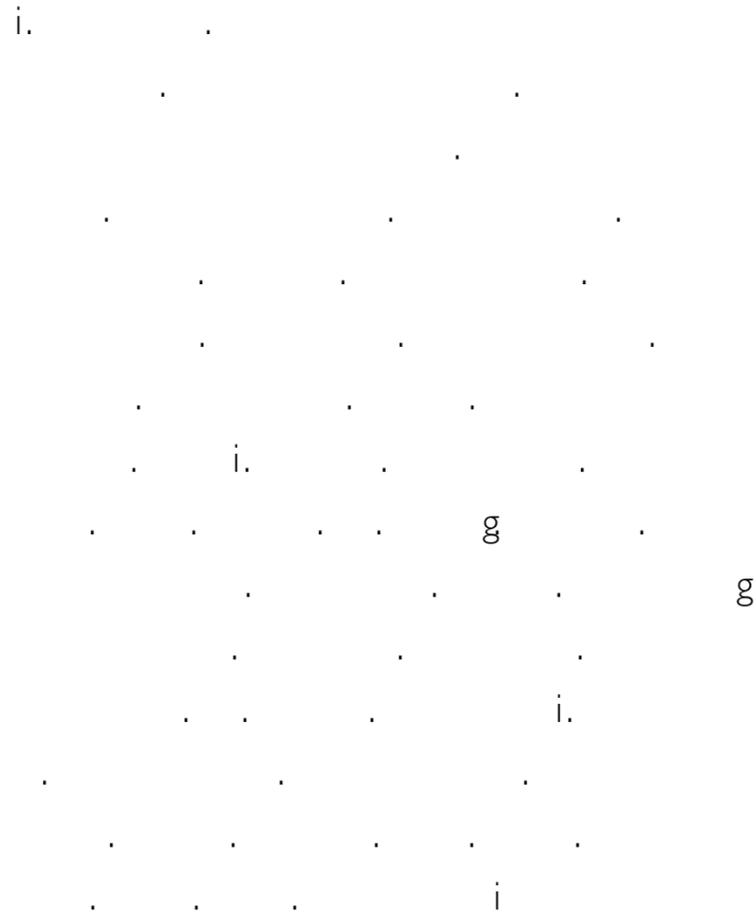
This project employs Normalized Difference Vegetation Index (NDVI) to analyze satellite imagery, allowing us to assess mangrove health and coverage effectively. The WebGIS platform offers:

- Interactive Mapping: Explore mangrove distributions and health status.
- Time-Series Analysis: Visualize changes over time.
- Data Accessibility: Access high-resolution imagery and NDVI data.

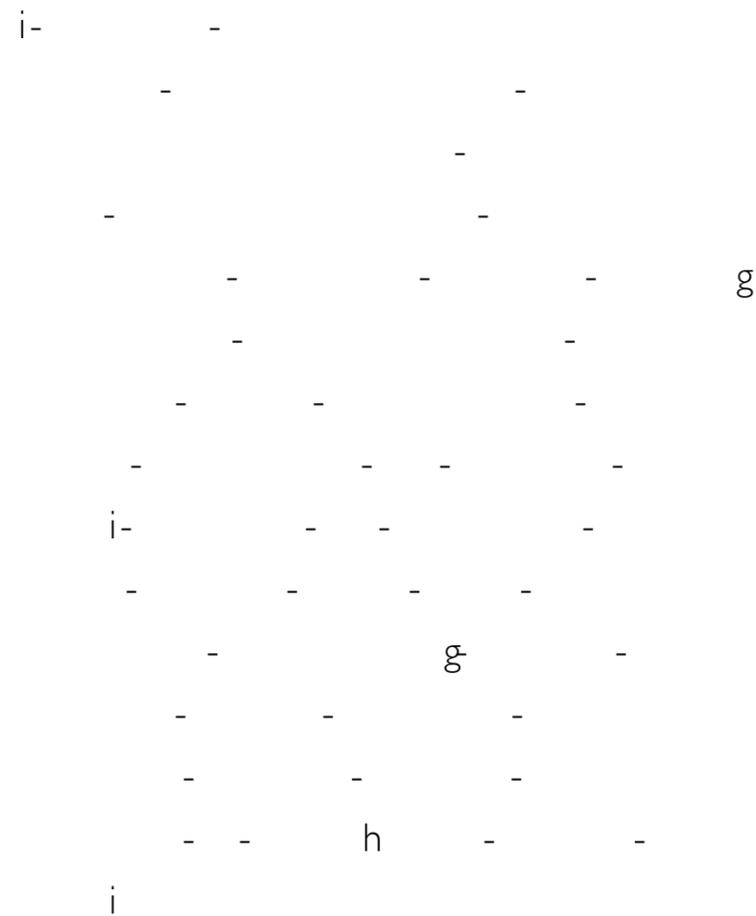
Our goal is to provide a valuable tool for researchers, conservationists, and policymakers, enhancing awareness and supporting conservation efforts for these crucial ecosystems. Join us in protecting the mangroves of Selat Sunda for future generations.

SundaMangroveMonitor

# RESULTS AND ANALYSIS



# RESULTS AND ANALYSIS



SundaMangroveMonitor

About Legends ChatBot

### CHAT SMM BOT

The screenshot shows the SundaMangroveMonitor website. The top navigation bar includes 'SundaMangroveMonitor', 'About', 'Legends', and 'ChatBot'. The main content area is split into two panels. The left panel displays a satellite-style map of a coastal area with several patches of mangrove forest highlighted in bright orange and red. The right panel is a chatbot interface titled 'CHAT SMM BOT' with a dark blue background and two white speech bubble icons. The footer of the website also displays 'SundaMangroveMonitor'.



# CONCLUSSION

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