



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

OUR TEAM



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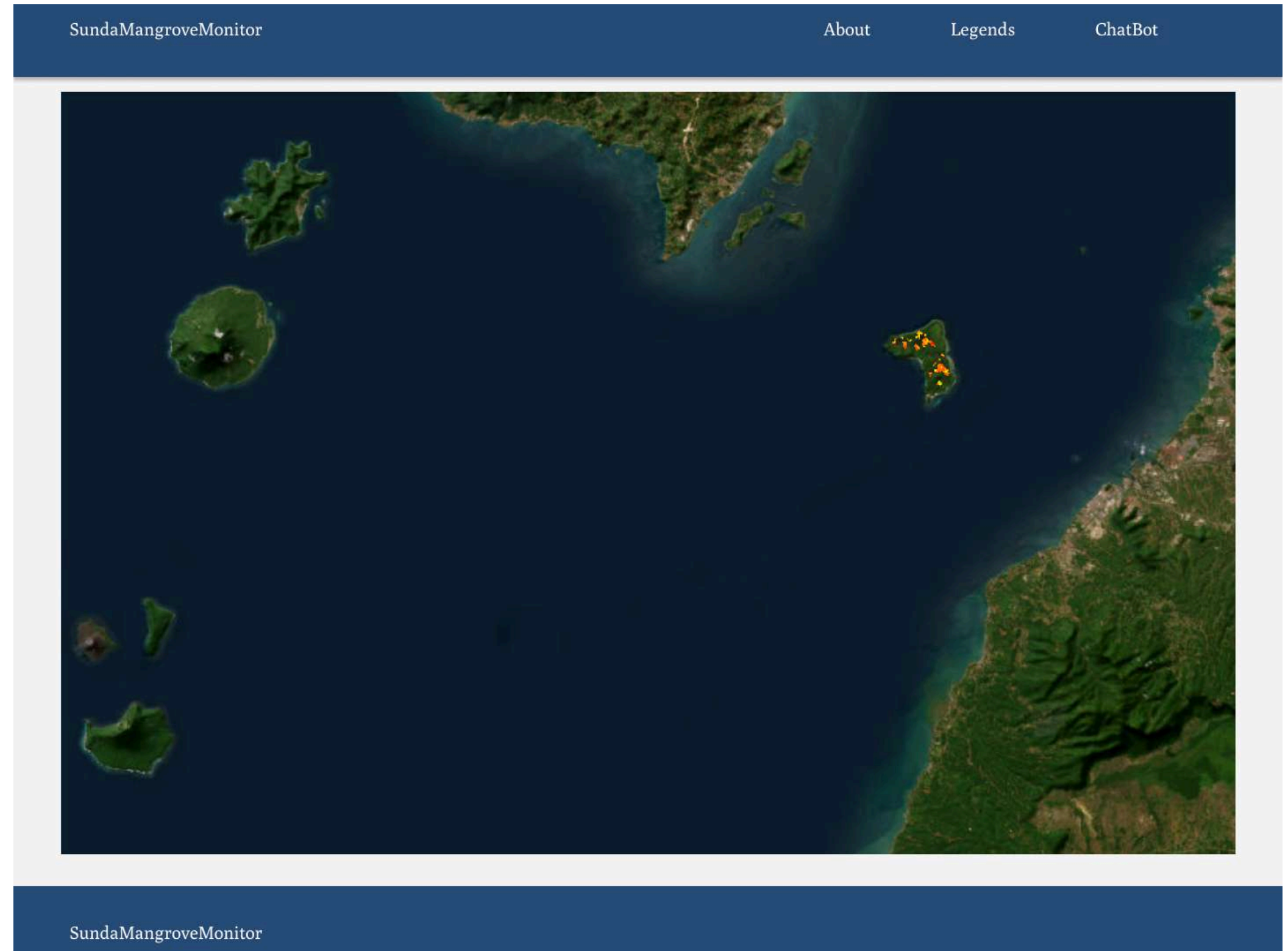
INTRODUCTION

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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 shows a coastal region with labels 'Kalianda' and 'Ketanang' at the top. In the center of the map area, there is a white box with the following text:

ABOUT SUNDAMANGROVEMONITOR

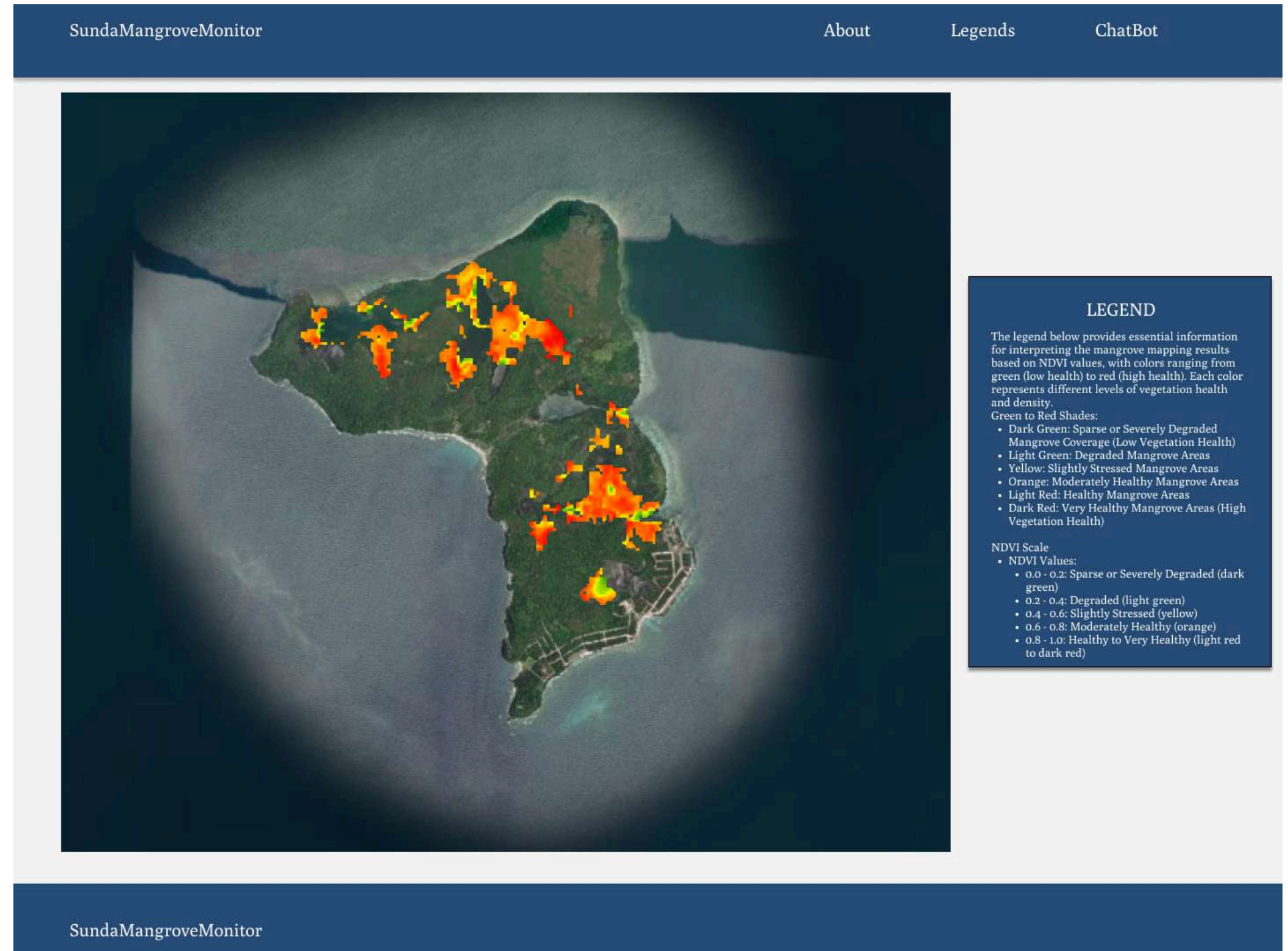
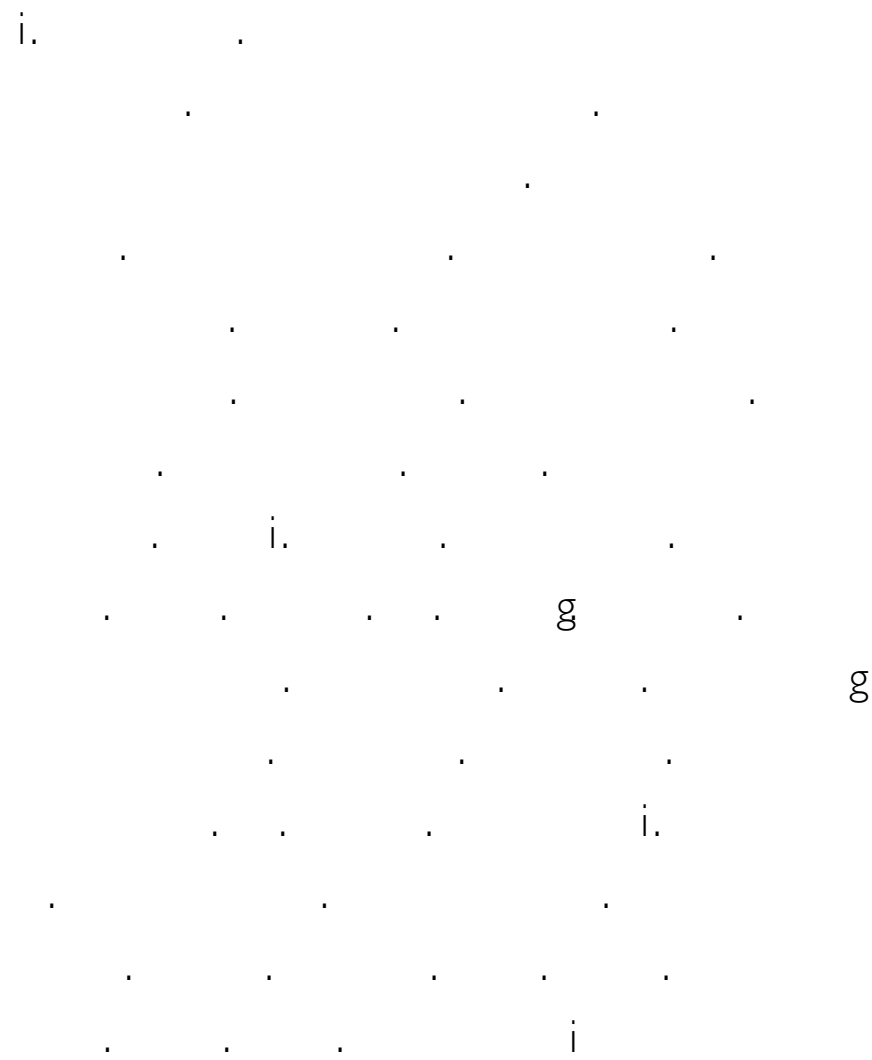
Welcome to our WebGIS platform focused on mapping and monitoring mangrove ecosystems in around the Sunda Strait. Mangroves are vital coastal habitats that protect shorelines, support biodiversity, and sequester carbon. Unfortunately, they face threats from deforestation, coastal development, and climate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

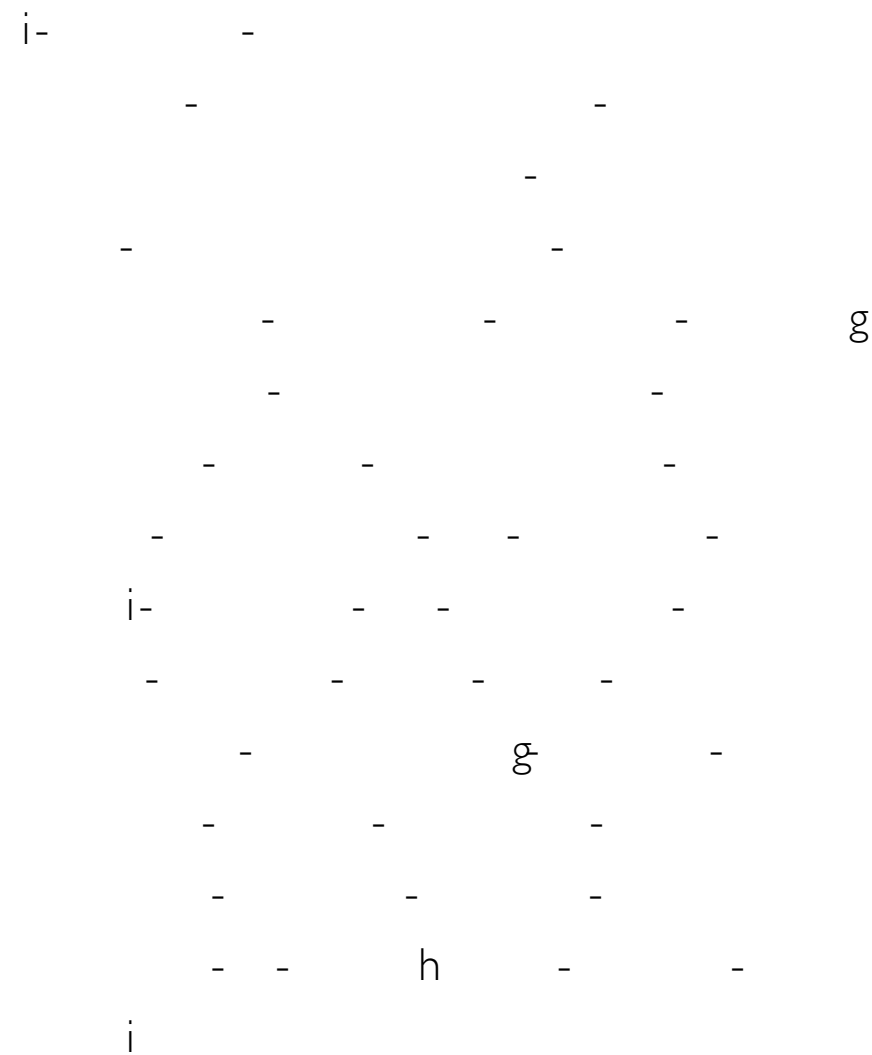
Our goal is to provide a valuable tool for researchers, conservationists, and policymakers, enhancing awareness and supporting conservation efforts for these crucial ecosystems. Join us in protecting the mangroves of Selat Sunda for future generations.

At the bottom of the page, there is a dark blue footer bar with the text 'SundaMangroveMonitor' on the left.

RESULTS AND ANALYSIS



RESULTS AND ANALYSIS



SundaMangroveMonitor

About Legends ChatBot

CHAT SMM BOT

The screenshot shows the SundaMangroveMonitor website interface. It features a dark blue header with the title 'SundaMangroveMonitor' and navigation links for '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 a heatmap overlay in shades of orange and red, indicating specific data points or areas of interest. The right panel is a chatbot interface titled 'CHAT SMM BOT' with a dark blue background and two white speech bubble icons representing a conversation.

SundaMangroveMonitor



CONCLUSION

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THANK
YOU