## PROJECT BASED LEARNING

## PENANAMAN MANGGROVE DI DESA TIWOHO – KABUPATEN MINAHASA UTARA SEBUAH KOLABORASI ANTARA POLITEKNIK NEGERI MANADO

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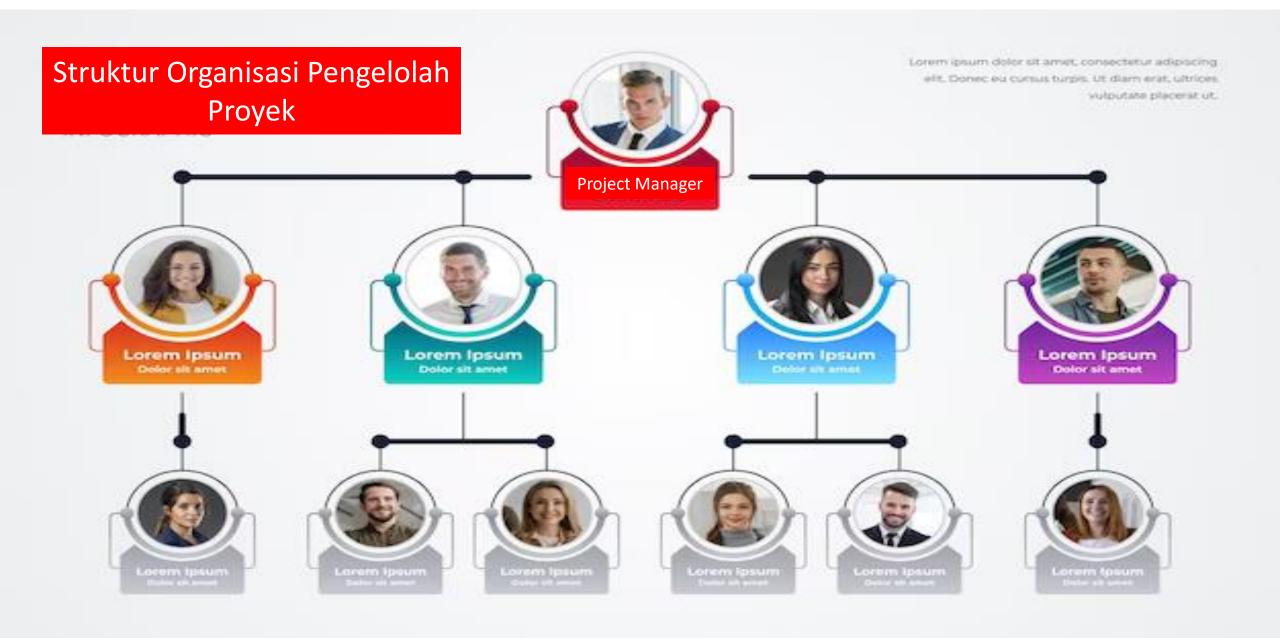
## PEMERINTAH DAERAH MINAHASA UTARA DESA TIWOHO

Semester Gasal: Agustus 2023 s/d Desember 2023



## PENGAMPUH MATAKULIAH





## Profi Mitra

Lurah Desa Tiwoho:

Email:

Wa:



Bupati Minahasa Utara

Email:

WA:



## Latar Belakang Pemilihan Proyek

## CONTRIBUTION OF MANGROVES TOWARDS ACHIEVEMENT OF THE POST-2020 GLOBAL BIODIVERSITY FRAMEWORK'S VISION

#### Mangrove Forest Cover and Trends

Measures extent and change in the extent of mangrove ecosystems, demonstrating trends at local, national and global levels.

#### Contribution of mangroves to coastal protection and disaster risk reduction

Economic accounting of the role of mangroves in regulation of coastal erosion, flooding and extreme events.

#### Mangrove biomass and carbon stock

Mangroves are 'superheroes' in carbon sequestration in their biomass and underlying soils. Measures the contribution of mangroves to national climate change mitigation targets.



#### Contribution of mangroves to fisheries and livelihoods

Measures the contribution of mangroves in supporting coastal biodiversity as nursery and spawning areas for fish and invertebrates, supporting both local livelihoods and national economies by providing subsistence and commercial fisheries and food security.

#### Area of mangrove eco- systems under protection, conservation, and zoned for sustainable use

The proportion of the world's mangroves included within MPAs, KBAs or other effective area-based conservation and management measures.





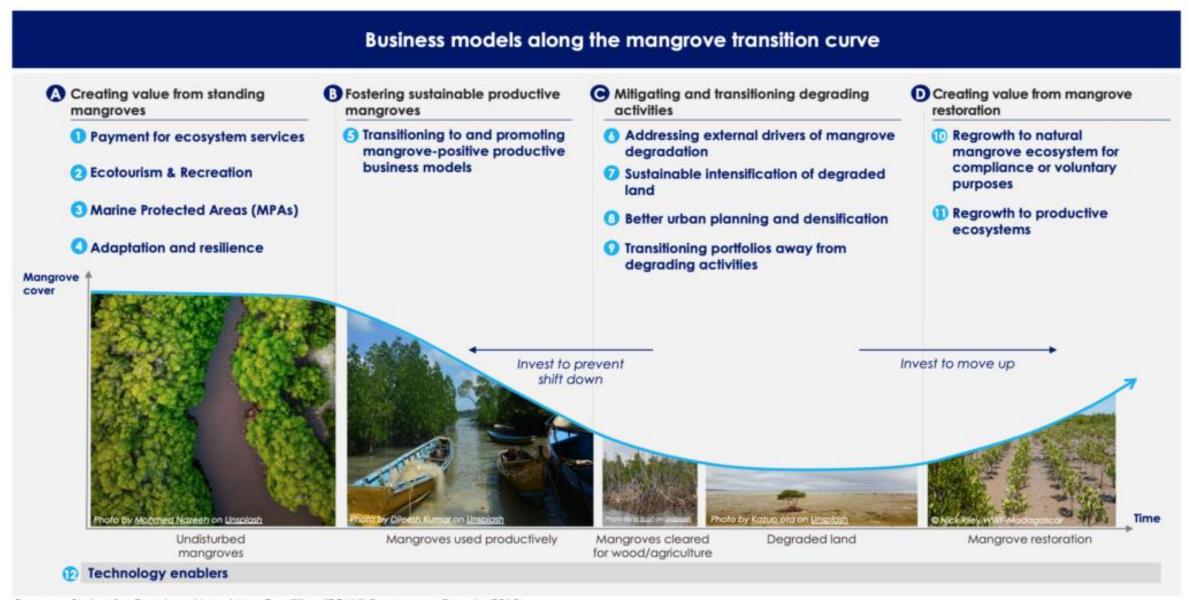








## Latar Belakang Penentuan Lokasi



Sources: Systemiq; Food and Land Use Coalition (FOLU) Prosperous Forests, 2019

## Profil Desa Mitra - Desa Tiwoho



Lokasi:

Luas:

Pendidikan:

Penduduk:

Mata Pencaharian

Status Mangrove

Luas Mangrove:





## Participatory Mangrove Rehabilitation











STEP 1

Local Site

Coordination

STEP 2

Comprehensive Site Assessment

STEP 3

Participatory Mangrove Rehabilitation Planning

STEP 4

Participatory Project Implementation

## STEP 5

Participatory
Monitoring and
Evaluation



## Video Penanaman Mangrove

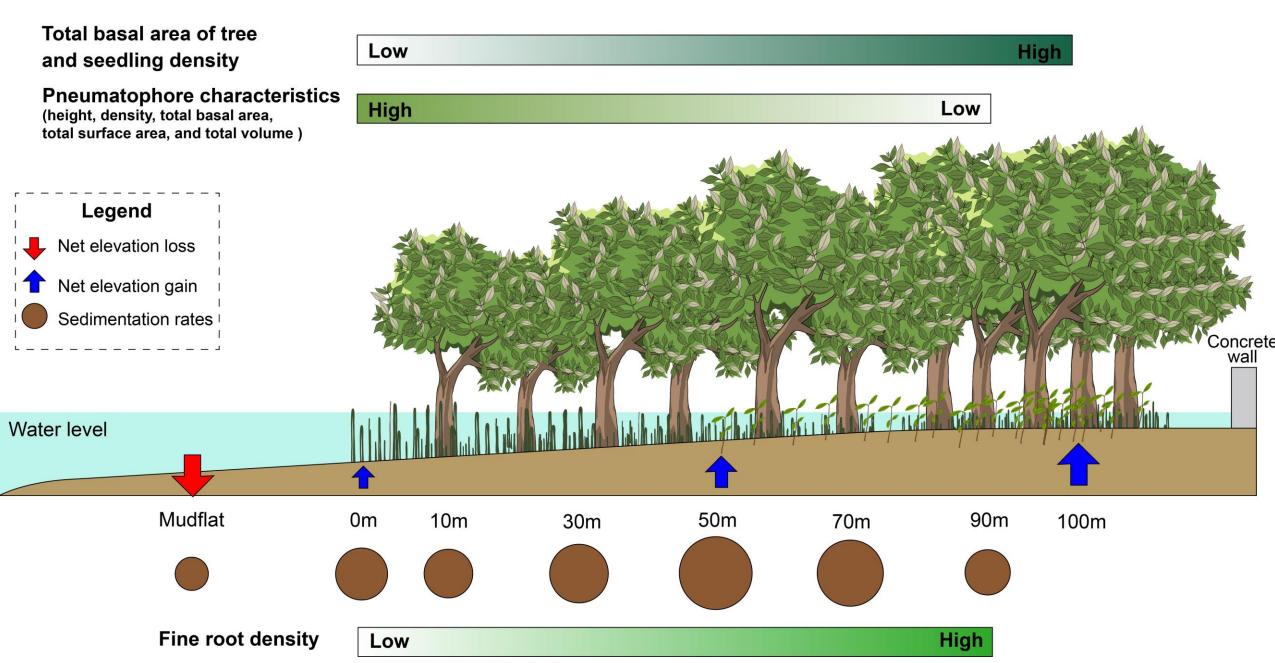




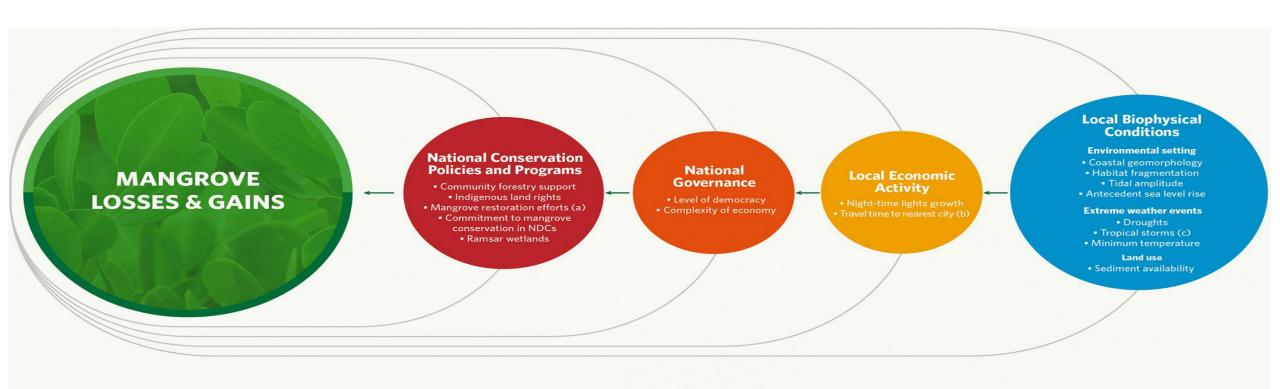
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Tata Cara Penanaman Mangrove Sebagai Upaya Rehabilitasi Pesisir

Perkembangan Manggrove Dalam Masa PBL



## Kendala & Cara Mengatasi

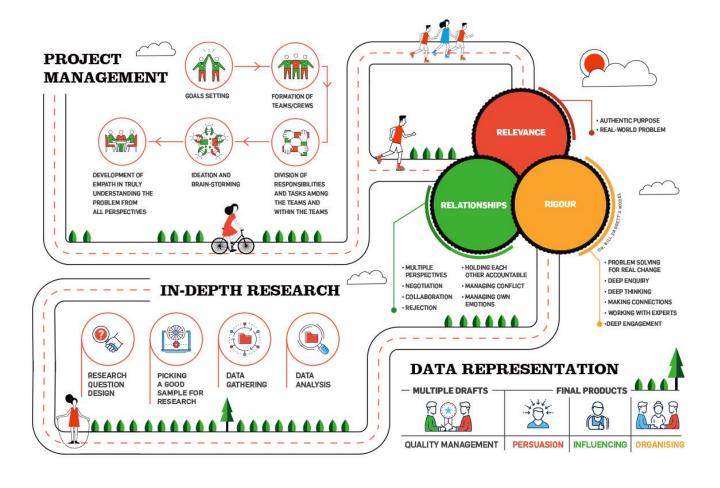




# Learning Process & Skills







- 1. Learning skills (critical thinking, creativity, collaboration & communication);
- 2. Literacy skills (information, media, dan technology);
- 3. Life skills (flexibility, leadership, initiative, productivity, dan social skills

## Penutup



