

# WATER CONNECTION & EARLY DETECTION OF MALARIA IN THE LAINDATANG

Providing Access to Clean Water for Rural Areas & Early Detection of Malaria



## Project Location



The hamlet of Laindatang is located in East Sumba Regency, East Nusa Tenggara Province, Indonesia. This village is about 25 km from Waingapu, the capital of East Sumba Regency.

## Beneviciaries



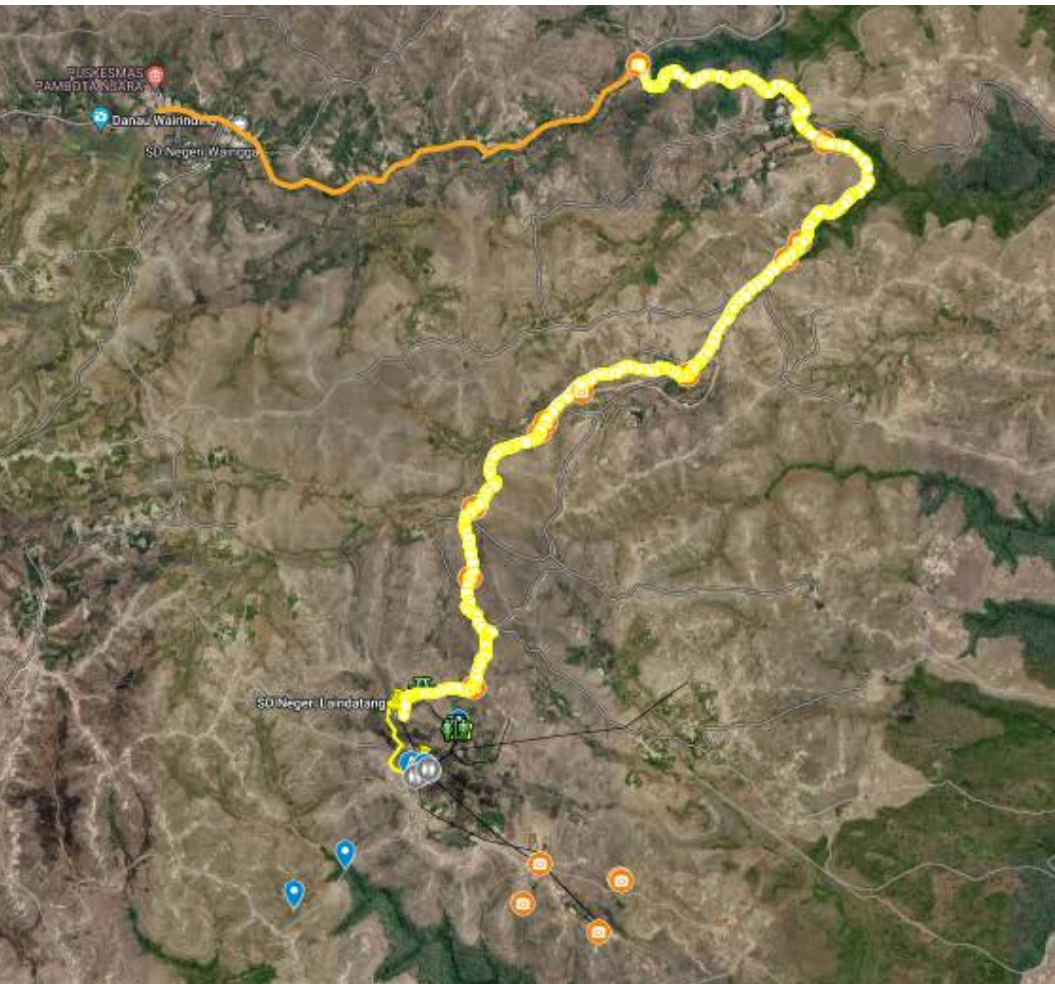
There are 151 people in 34 Heads Families from Laindatang hamlet, Mbatakapidu Village.





# THE ACCESS ROAD TO LAINDATANG HAMLET

Laindatang hamlet is one of the isolated settlements. This is caused by the damaged access that connects Laindatang to the main road. The road conditions are muddy, rocky, and slippery when it rains, and some steep points are challenging to pass. This access ultimately made the residents of the Laindatang hamlet experience difficulties in meeting their basic needs. This includes meeting the need for clean water and healthcare.







## ACCESS TO CLEAN WATER & SANITATION



To meet the need for clean water, Laindatang residents use rainwater in the rainy season. They are harvesting rainwater with a simple method with all the limitations of knowledge and materials. Water stored in water reservoirs contains much contamination. In the dry season, they usually fetch water from the Kulub (an artificial water reservoir in a sunken rock) or buy tank water from a water supply company.

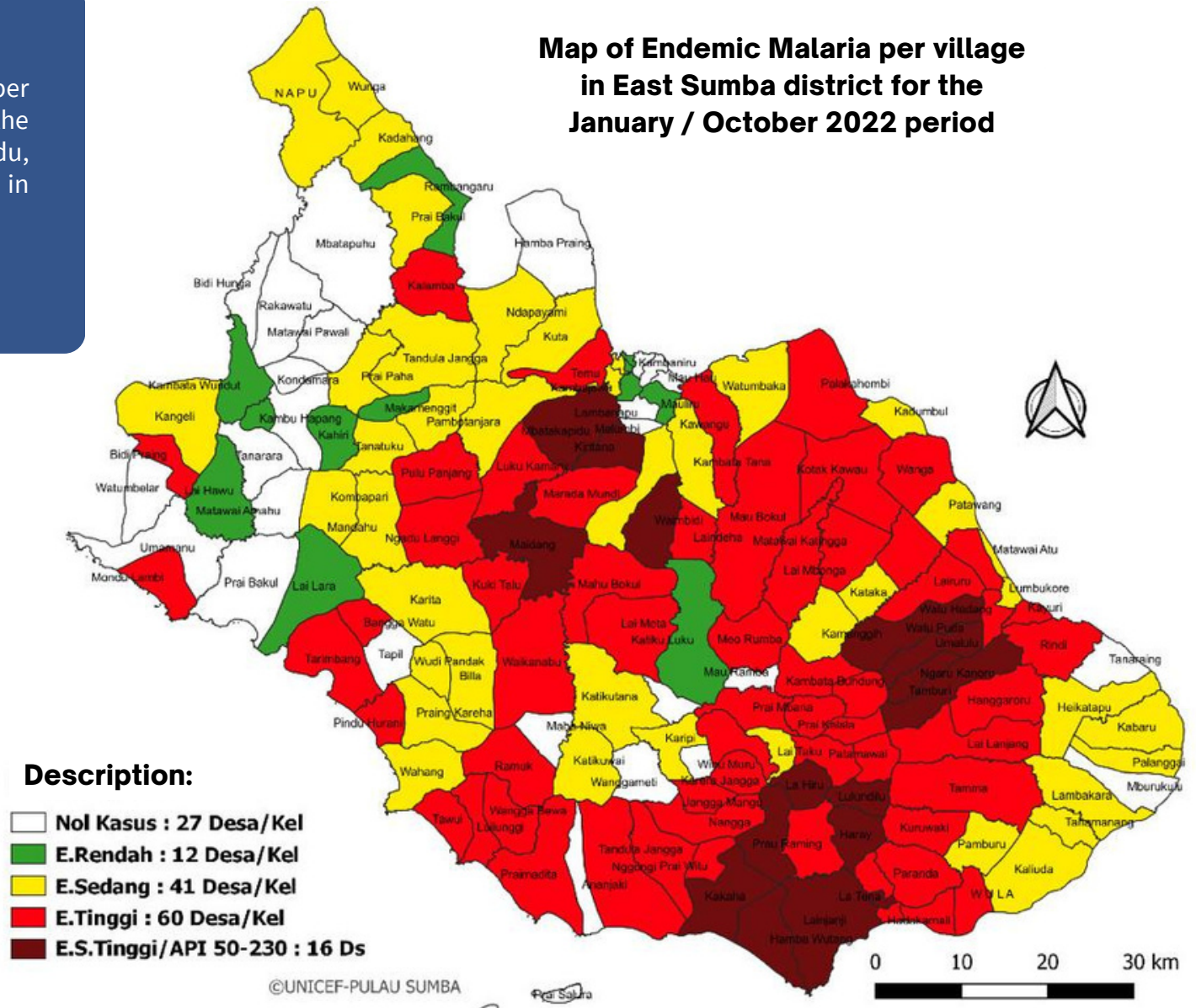
However, access is complicated in the rainy and dry seasons; only a few companies are willing to deliver water there. Often the tank water that arrives at the location is no longer total because it spills when the vehicle is shaken on the way to the hamlet of Laindatang.



# MALARIA CASES

Based on case reports from the January-October 2022 period, East Sumba district is the area with the highest malaria cases. The village of Mbatakapidu, which covers the hamlet of Laindatang, is included in the area with the third highest malaria cases.

**Map of Endemic Malaria per village in East Sumba district for the January / October 2022 period**





# THE PROBLEMS



01

## Severely Damaged Road

The extreme road to the hamlet Laindatang is 6 km from the main road. Road conditions without asphalt, rocky and slippery, make it difficult to mobilize people and goods. This is also an obstacle to supplying clean water with tank trucks.

02

## No Access to Clean Water

Water reservoirs are often open and without a filtering system, causing light, air and dirt contamination in the water reservoir.

03

## No Healthy Sanitation Available

Sanitation without toilets, septic tanks and water absorption owned by residents currently does not have health standards, thus triggering other health problems.

04

## Malaria Emergency

Based on the January-October 2022 period, the village of Laindatang, which is part of the village of Mbatakapi, is the third area with the highest number of malaria infection.



# THE GOALS

1

Fixed some of the most challenging road points in locations that vehicles cannot access.

2

Repairing water reservoirs and rainwater harvesters owned by residents so they are safe and suitable for consumption.

3

Provide access and demonstrate national standard healthy sanitation with toilets, septic tanks, and water absorption.

4

Early detection of malaria and public health checks to prevent the spread of malaria and medical treatment for those infected.

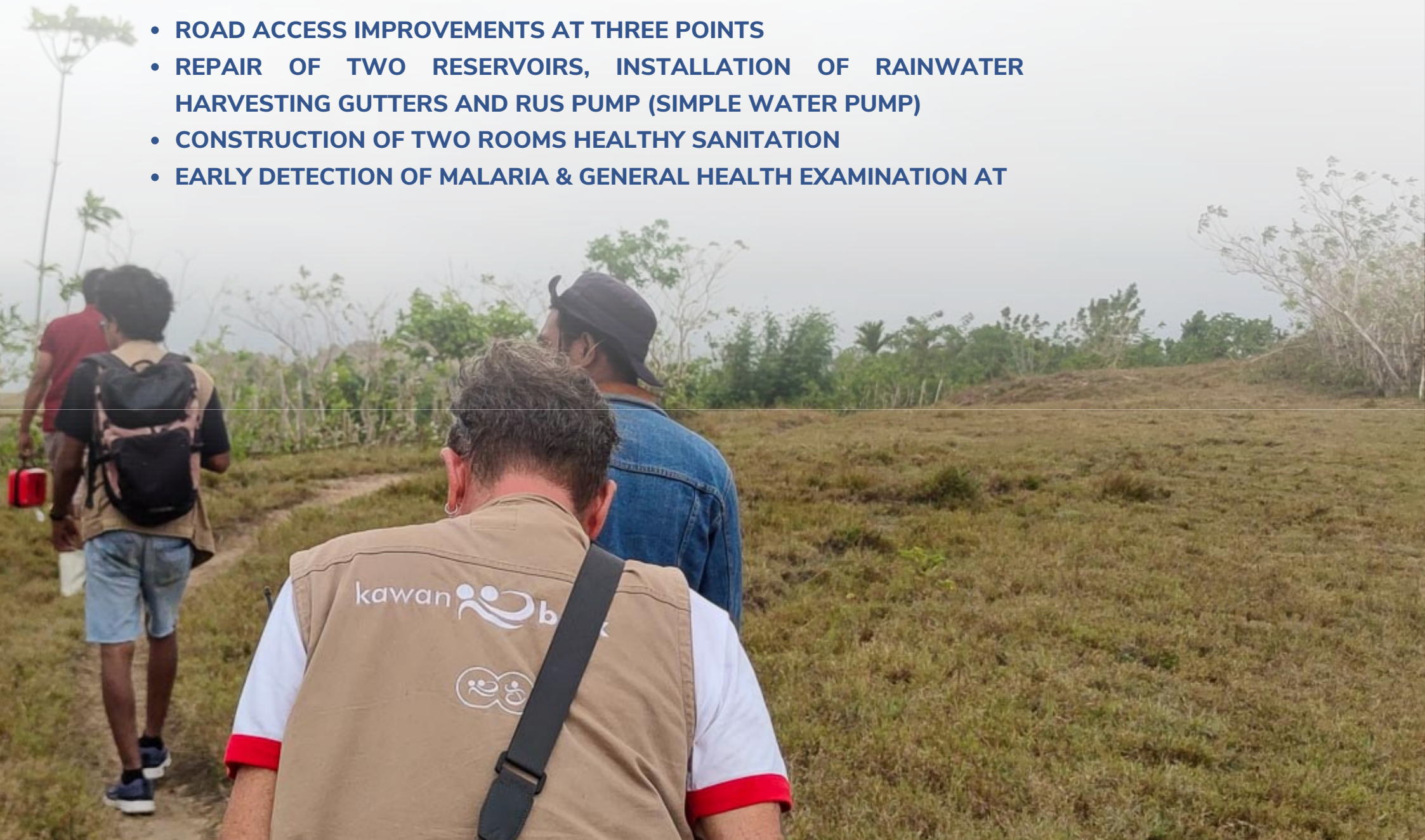




# ACTIVITIES

---

- ROAD ACCESS IMPROVEMENTS AT THREE POINTS
- REPAIR OF TWO RESERVOIRS, INSTALLATION OF RAINWATER HARVESTING GUTTERS AND RUS PUMP (SIMPLE WATER PUMP)
- CONSTRUCTION OF TWO ROOMS HEALTHY SANITATION
- EARLY DETECTION OF MALARIA & GENERAL HEALTH EXAMINATION AT





# OUR ACTIONS



Survey



Water Tank Repairs



Preparations



Water Water Harvesting  
Installations



Road Access  
Improvements



Healthy Sanitation with 2  
Rooms Building



Early Detection of Malaria  
& Public Health Screening





# Survey



This activity is a key activity in project planning, so far the survey has been conducted 4 times:

- 03 July 2022 (Survey of village conditions, population, and problems faced by other residents)
- 11 July 2023 (Survey of clean water potential in Laitangan Village)
- 31 March 2023 (Survey with the Ministry of Public Works and Housing department from Government Office of East Sumba Regency conducting a road access)
- 18 April 2023 (Conducting a follow-up survey of water potential and coordinating with residents)







# Preparations

In this process, the Kawan Baik Indonesia foundation team designs projects from concept to technicality, so that the project can run smoothly and get the expected results.



Laindatang Water Connections



*An example of one of the preparatory processes for the Mbinu Dita Water Connection project*





# Road Access Improvements

Repairing road access at some of the most challenging points is the first step that we will work on with the other residents to facilitate mobilization during the construction of clean water and healthy sanitation.



Laindatang Water Connections



*One of the points to be repaired*





# Water Tank Reparations



Laindatang Water Connections

## Repair of 2 residents' reservoirs, so that they are airtight & light

- Water is not contaminated with pollution
- The water is odorless and dirty
- Prevents moss from growing on the water tanks
- Quality is maintained



*We will repair the condition of the rainwater harvester in one of the residents' houses.*





# Water Water Harvesting Installations

## Installation of Gutters & Rainwater Filters for 2 Residents' Houses

- Maximize rainwater harvesting
- Using safe materials, reducing the risk of health problems
- Neat and clean installation
- Prevent dirt from entering the water tank



Laindatang Water Connections







# Healthy Sanitation with 2 Rooms Building



Laindatang Water Connections

## Providing Healthy Sanitation

---

Construction of two healthy sanitation booths with safety standards for health. It is hoped that community groups can utilize this and become a medium for education in developing healthy sanitation according to standards.



*An example of a picture of a healthy sanitation building that we have previously built in Mbinu Dita village*





## Early Detection of Malaria & Public Health Screening

Early detection of malaria will use the Rapid Diagnostic Test (RDT). This method is beneficial, especially in areas with inadequate microscopic services, such as the village of LainDari, the target of patients to be treated is 250 residents of Laindatang and will involve volunteer health workers from the Waingapu Health Center.



*One of the residents who received health services when we visited in the village of Laintangan*



# The Community is Obligated to Participate

THE COMMUNITY WORKS TOGETHER TO IMPROVE ROAD ACCESS, BUILD THEIR OWN HEALTHY WATER & SANITATION FACILITIES

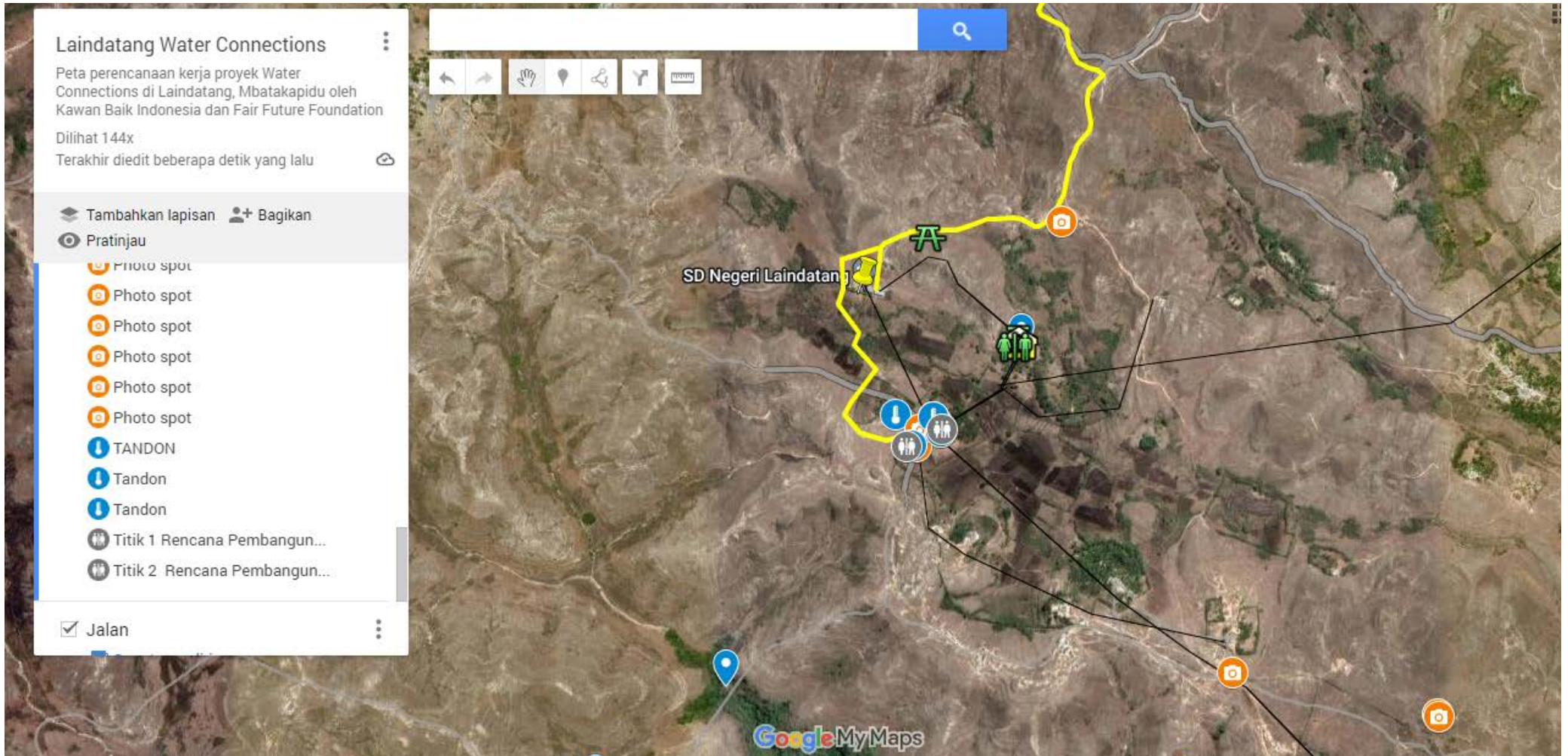
Citizen participation is essential to maintain the continuity of the use of the facilities that have been built; with the involvement of residents, it is also hoped that they will increase their knowledge and feel more owned and look after each other for the facilities that will be built.



*Documentation of joint work to build clean water facilities in Mbinudita village, Nggaha Ori Angu as an illustration of what is expected for implementation in Laintanding*



# MAP LOCATIONS





**Project Code** : 600.013  
**Project Coordinator** : Alexandre Wettstein  
**Project Field Manager** : Aldo Anapaku  
**Budget Post** : Kawan Sehat  
**Project Timeline** : Juni - Juli 2023  
**Activities Detail** :

Kurs 24/05/2023

AUD \$9,793

No	ACTIVITY	TOTAL (IDR)	TOTAL (AUD)	(%)
<b>1</b>	<b>Survey and Socialization</b>			
	Activity survey and socialization	Rp2,665,000	AUD \$272	1.04%
	<b>Total Activity 1</b>	<b>Rp2,665,000</b>	<b>AUD \$272</b>	
<b>2</b>	<b>Infrastructure Repair - Road access to Laidatang Village (in severals point +/- 6km)</b>			
	Activity Infrastructure Repair - Road access to Laidatang Village (in severals point +/- 6 km)	Rp56,387,500	AUD \$5,758	21.94%
	<b>Total Activity 2</b>	<b>Rp56,387,500</b>	<b>AUD \$5,758</b>	
<b>3</b>	<b>Water Tanks Revitalisation</b>			
	Activity Water Tanks Revitalisation	Rp30,101,240	AUD \$3,074	11.71%
	<b>Total Activity 3</b>	<b>Rp30,101,240</b>	<b>AUD \$3,074</b>	
<b>4</b>	<b>Sanitary Facilities Provision</b>			
	Activity Sanitary Facilities Provision	Rp26,580,450	AUD \$2,714	10.34%
	<b>Total Activity 4</b>	<b>Rp26,580,450</b>	<b>AUD \$2,714</b>	
<b>5</b>	<b>Examining Malaria Cases, Providing Prevention Kits, and Education</b>			
	Activity Examining Malaria Cases, Providing Prevention Kits, and Education	Rp74,867,000	AUD \$7,645	29.13%
	<b>Total Activity 5</b>	<b>Rp74,867,000</b>	<b>AUD \$7,645</b>	
<b>6</b>	<b>Operational project</b>			
6.1	Travel Cost	Rp21,060,000	AUD \$2,151	8.20%
6.2	Accomodation	Rp45,305,000	AUD \$4,626	17.63%
	<b>Total Activity 5</b>	<b>Rp66,365,000</b>	<b>AUD \$6,777</b>	
	<b>TOTAL BUDGET</b>	<b>Rp256,966,190</b>	<b>AUD \$26,240</b>	





# THE SUSTAINABLE DEVELOPMENT GOALS



## NO POVERTY

Construction of water facilities to improve quality of life, overcome inaccessibility due to poverty



## CLEAN WATER AND SANITATION

Availability of access to clean and quality water that is not polluted, healthy sanitation with good waste management standards



## GOOD HEALTH AND WELL-BEING

With the provision of clean water and healthy sanitation, a healthy lifestyle can be carried out in a sustainable manner



## PARTNERSHIP FOR THE GOLAS

Involving the Laindatang village community to form a clean water committee from and by residents, the goal is achieved and maintained together



## Help them to Live Healthy

You can make an impact through this project; your contribution is a commitment to support the Fair Future Foundation in helping bring clean water and sustainably adopt a healthy lifestyle to people in need.



+41 796312969 / +62 87777 3333 84



info@fairfuturefoundation.org



fairfuturefoundation.org



Jalan Amintasari 5, Kutat Lestari VI,  
Sanur, Denpasar - Bali  
Indonesia

### Bank Transfer:

FAIR FUTURE FOUNDATION - LONGUES RAIES 9 - 1261 LE VAUD  
(VD) - SWITZERLAND Banque Cantonale Vaudoise (BCV)  
IBAN : CH 83 0076 7000 E543 5802 2  
Bank Clearing: 767  
BIC/SWIFT: BCVLCH2LXXX