PROJECT PROPOSAL

CLEAN WATER ACCESS FOR TANA MBANAS 2023

Present By :

Kawan Baik Foundation

Fair Future Foundation

1. Survey Summary

2. Propossed Solution

3. Timeline Project

3. Budgets Proposal

4. Reporting

SURVEY SUMMARY

GENERAL INFO

Tana Mbanas is a village in Umbu Ratu Nggay District, Central Sumba Regency, East Nusa Tenggara Province, Indonesia. The location is directly adjacent to East Sumba Regency and can be reached by car from Waingapu in approximately 4 hours.

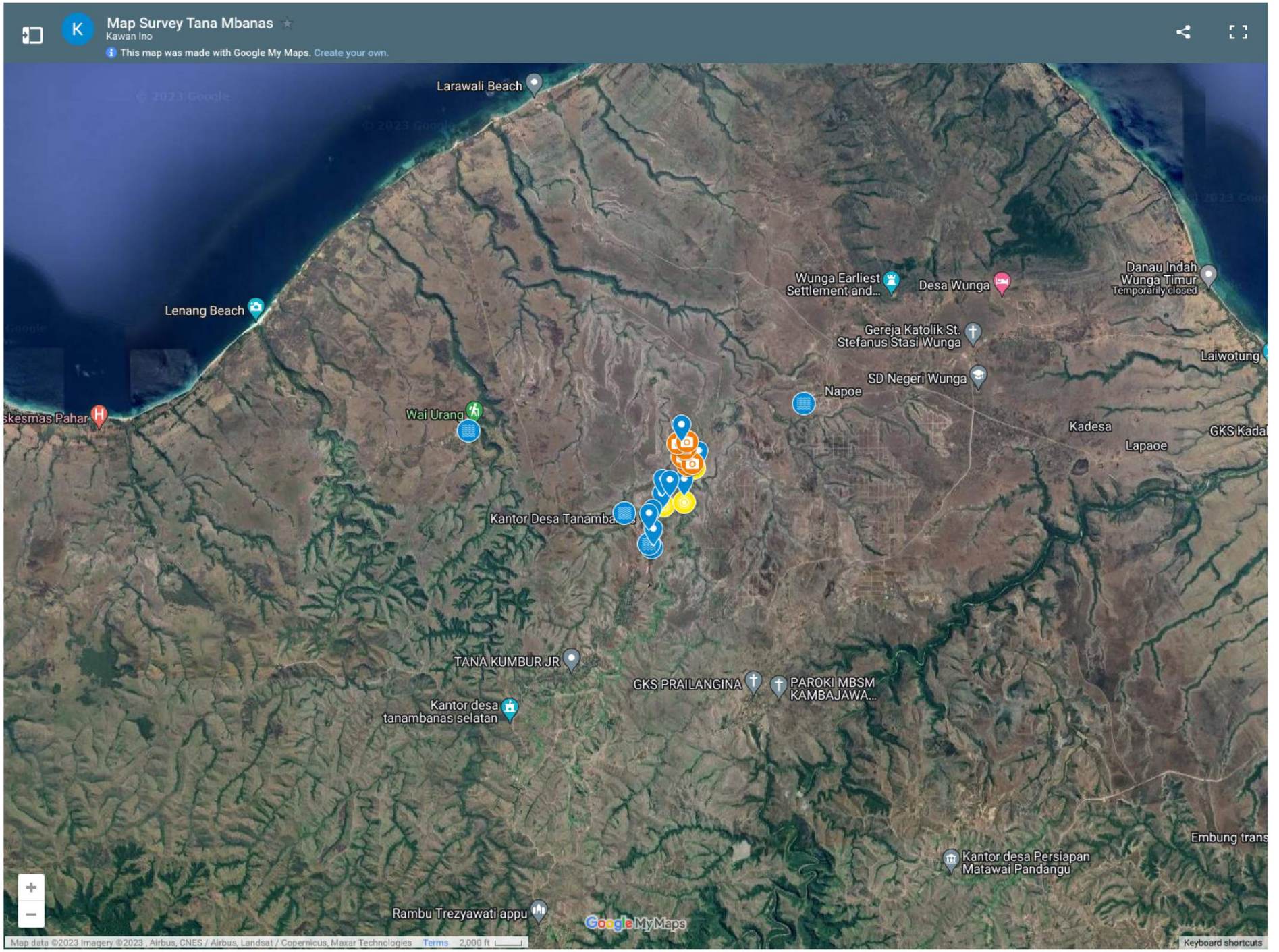
In March and April 2023, the Foundatio's team surveyed the location to find potential points for drilling wells with the drilling expert team. Maria Ratu Karmel Church in Palawacu is the first location to be used as a point to search for drilled wells. Next, we visited several springs and clean water facilities in the Tana Mbanas, which were used as the primary data for project plans.

The following is a visit report in the Tana Mbanas village area:

- The team did not find any potential drilling points in the Church's land area,
- Other clean water facilities that already exist in the Church area also do not show any active activity of clean water flowing over the past year,
- The Church has several clean water facilities; three plastic fiber water reservoirs and a tank without a lid in front of the Church with approximately 4,000 liters capacity,
- The team conducted a search for potential drilled well points to locations outside the Church area;

  The following several points were found:

1. Location (1), approximately 100 meters west of the Church, has a potential depth of 90 meters. Constraints found are that the potential for success is low and the cost is exceptionally high.
2. Location (2) is 400 meters in front of the Church area and has a potential depth of 60 meters. Obstacles found there is a social conflict between residents and landowners.
3. Location (3) is about 1000 meters east of the church, adjacent to a manual dug well in the residents' yard. The potential drilling depth ranges from 30-40 meters. The problem at this point is not the church congregation and is quite far away.
4. Location (4) is about 1000 meters opposite the 3rd point. A potential depth of around 40-50 meters was found, this land belongs to the community, which is also the congregation of Maria Ratu Karmel Church, but a problem that has the potential to arise is that if the pipework is carried out to the Church area, the path to be traversed is an asphalt road from the province and a permit from the region is required.



bit.ly/MapTanaMbanas

PROPOSE SOLUTION

Finding Alternative Water Sources

Rainwater harvesting as an alternative solution instead of well drilling

The results of the survey and communication established by the project partners (well drilling experts) indicate the potential to provide clean water facilities at location number (3). The foundation expects stability in communication established within the community through church partners regarding permits. However, after discussions, the landowners were unable to grant permission for the drilling project, so we had to cancel the well drilling plans and switch to an alternative plan, which is the construction of rainwater harvesting installations.
Looking at the church building, which has a sufficiently large roof area with a still decent zinc material, there is potential to optimize rainwater harvesting with a significant volume flow. After a discussion process, we decided to harvest rainwater as an alternative to secure a clean water source.

Build Rainwater Harvesting & Filtration

Installation of a rainwater harvesting system with staged filtration for clean and potable water

Rainwater Harvesting Gutter Installation, Rainwater Harvesting Filtration, Drinking Water Filtration, Ferrocement Water Tank and infiltration wells

Build Water Distribution Facilities

Construction of water facilities to distribute water from the storage tank to the faucets located throughout the church area

Water Tower, Pipe Control System, Pump Installation, Pipe Procurement for the entire church area, Public Faucet Facility Installation

WATER FACILITIES

DISTRIBUTION WATER FROM THE TERMINAL RESERVOIR FACILITIES II TO WATER TOWER CONNECTING TO PASTORAL BUILDING

PUMP AND BOX ELECTRICITY CONTROL FROM FACILITIES II

WATER TOWER (3 METER) FOR FIBER RESERVOIR (MAX 1100 L)

PIPE LINE +/- 150 METER

PIPE CONNECTION TO THE PASTORAL BUILDING

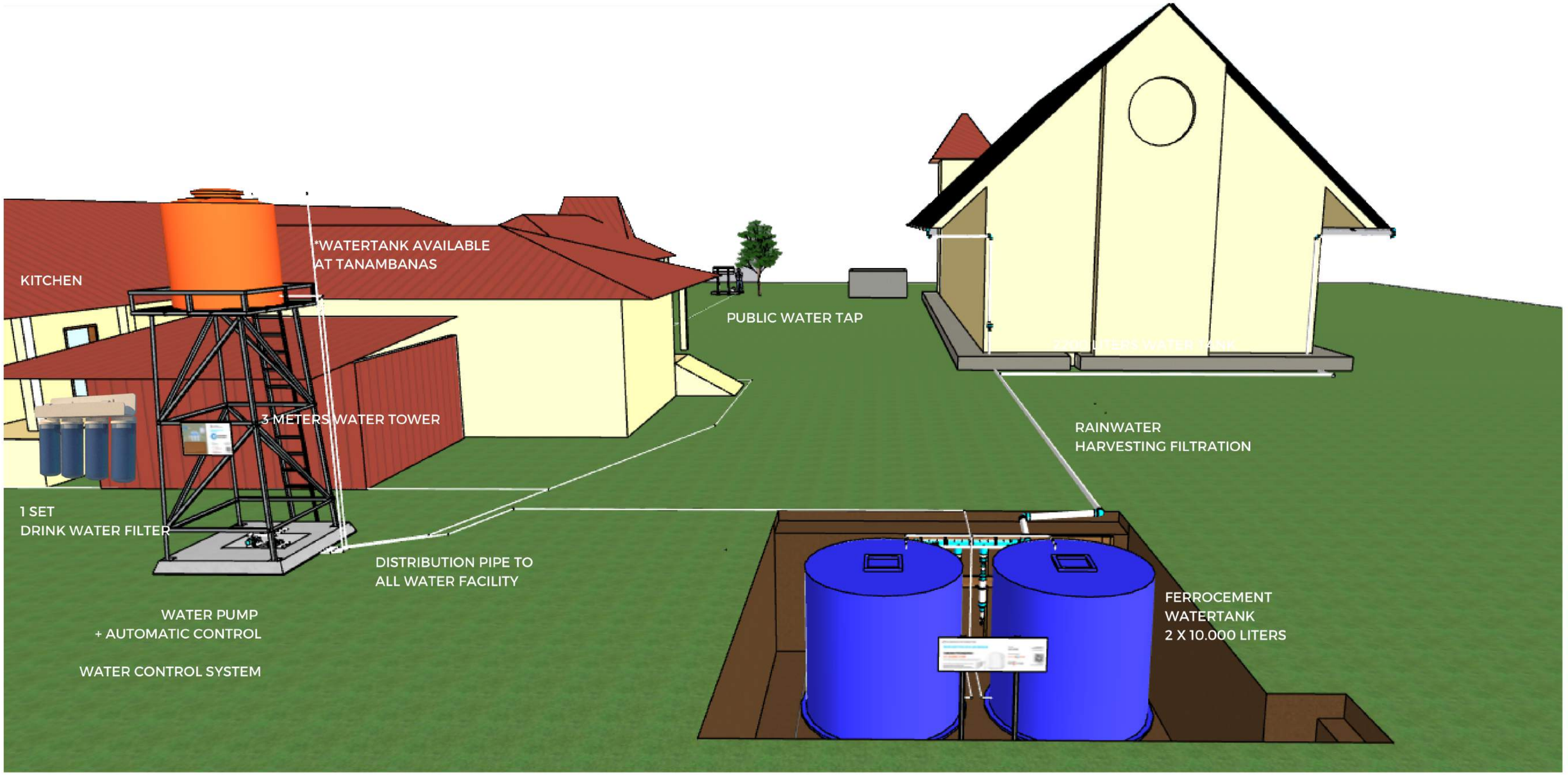
INSTALLATION WATER TAP

RAINWATER HARVESTING AND RAIN WATER FILTRATION

WATER FILTRATION FOR DRINK

SEMI JET PUMP 250 WATT
AUTOMATIC PRESSURE PUMP
CABLE, STOP CONTACT, BOX CONTROL

PIPE HDPE 1" 150 METER + CONNECTOR
PIPE (PVC 1" & 1//2") 30 METER + KNEE L, T
STOP KRAN, WATERMUR, BALL VALVE, CHECK VALVE


KITCHEN
*WATERTANK AVAILABLE
AT TANAMBANAS
PUBLIC WATER TAP
3 METERS WATER TOWER
RAINWATER
HARVESTING FILTRATION
1 SET
DRINK WATER FILTER
DISTRIBUTION PIPE TO
ALL WATER FACILITY
WATER PUMP
+ AUTOMATIC CONTROL
WATER CONTROL SYSTEM
FERROCEMENT
WATERTANK
2 X 10.000 LITERS

PROJECT TIMELINE

3 Months

Survey & Socialization

Searching potential the drilling spot
Analyze and open for another water resource

2 Weeks

Installing the Rainwater harvesting

Water gutter on the roof

2 Weeks

Water Facility Building

- Instalment of Water tower
- Build Pump House
- Instalment of RainWater Filtration & Drink Filtration

2 Weeks

Ferrocement Water Tank

Build 2units @10.000 liters

1 Weeks

Water Control Instalment

Instal the control distribution water system

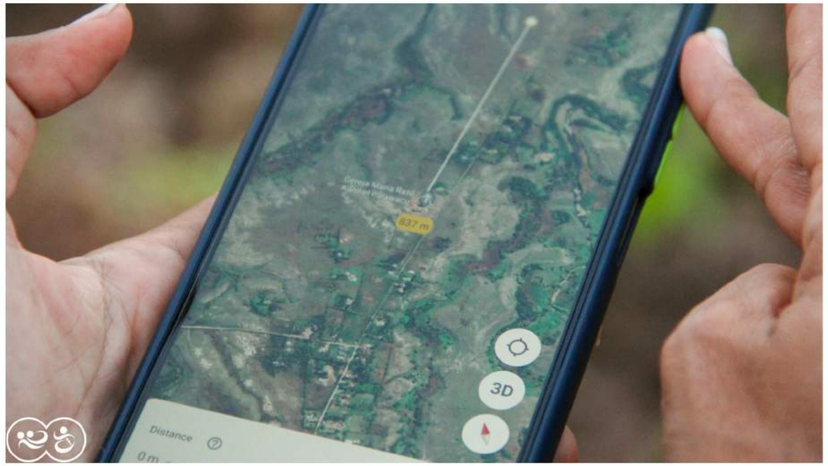
3 Months

Trial, Monitoring & Evaluation

Trial water distribution system and create maintenance and operational plan
Monitoring & Evaluation

September - December 2023

BUDGET PLANNING



WATER CONNECTION TANA MBANAS
YAYASAN KAWAN BAIK INDONESIA
2023

kawanbaik

Kode Projek	: 600.006.08
Koordinator Projek	: Kawan Primus
Penanggungjawab Lapangan	: -
Pos Anggaran	: Kawan Sehat
Waktu Pelaksanaan	: Juni - Juli 2023
Detail Kegiatan	: Pembangunan Fasilitas air bersih di Tana Mbanas

USD14,840

ACTIVITIES				
			Kurs Juni	
Code	Description of Activities	IDR	USD	
		Total Cost	Total Cost	%
1	**Survey dan komunikasi dengan masyarakat di Tana**			
1.1	Survey potensiai titik pengeboran sumur di Tana Mbanas (minimal 3 titik potensial)	Rp13,580,000	USD915	4.74%
	Total Kegiatan 1	**Rp13,580,000**	**USD915**	**4.74%**
2	**Fasilitas**			
2.3	**Pengadaan Fasilitas III di lokasi Greja**			
2.3.1	Menara Air	Rp9,050,000	USD610	3.16%
2.3.2	Sistem Control Pompa	Rp1,500,000	USD101	0.52%
2.3.3	Pemasangan Pompa	Rp2,500,000	USD168	0.87%
2.3.4	Pengadaan Pipa Mengairi area Gereja	Rp14,350,000	USD967	5.01%
2.3.5	Instalasi Kran dan Pemipaan	Rp3,000,000	USD202	1.05%
	Total Aktivitas 2.3	**Rp30,400,000**	**USD2,049**	**10.61%**
2.4	**FASILITASI 2.4 - PEMANENAN AIR HUJAN**			
2.4.1	Talang air hujan (gereja dan pastoran)	Rp36,065,000	USD2,430	12.59%
2.4.2	Filtrasi	Rp24,220,000	USD1,632	8.46%
2.4.3	Bak Ferocement	Rp68,680,000	USD4,628	23.98%
	Total Aktivitas 2.4	**Rp128,965,000**	**USD8,690**	**45.03%**
	Total Kegiatan 2	**Rp159,365,000**	**USD10,739**	**55.64%**
3	**Monitoring**	Rp10,480,000	USD706	3.66%
	Total Kegiatan 3	**Rp10,480,000**	**USD706**	**3.66%**
4	**Evaluasi**	Rp13,480,000	USD908	4.71%
	Total Kegiatan 4	**Rp13,480,000**	**USD908**	**4.71%**
5	**Operasional Cost**			
5.1	Travel Cost (monitoring dan evaluasi)	Rp16,600,000	USD1,119	5.80%
5.2	Akomodasi -- Operasional Tim	Rp72,900,000	USD4,912	25.45%
	Total Kegiatan 5	**Rp89,500,000**	**USD6,031**	**31.25%**
	TOTAL BUDGET PROJECT	**Rp286,405,000**	**USD19,300**	**100.00%**

Diajukan oleh Tanggal: 23 Juni 2023

Primus Lede

Diperiksa oleh,

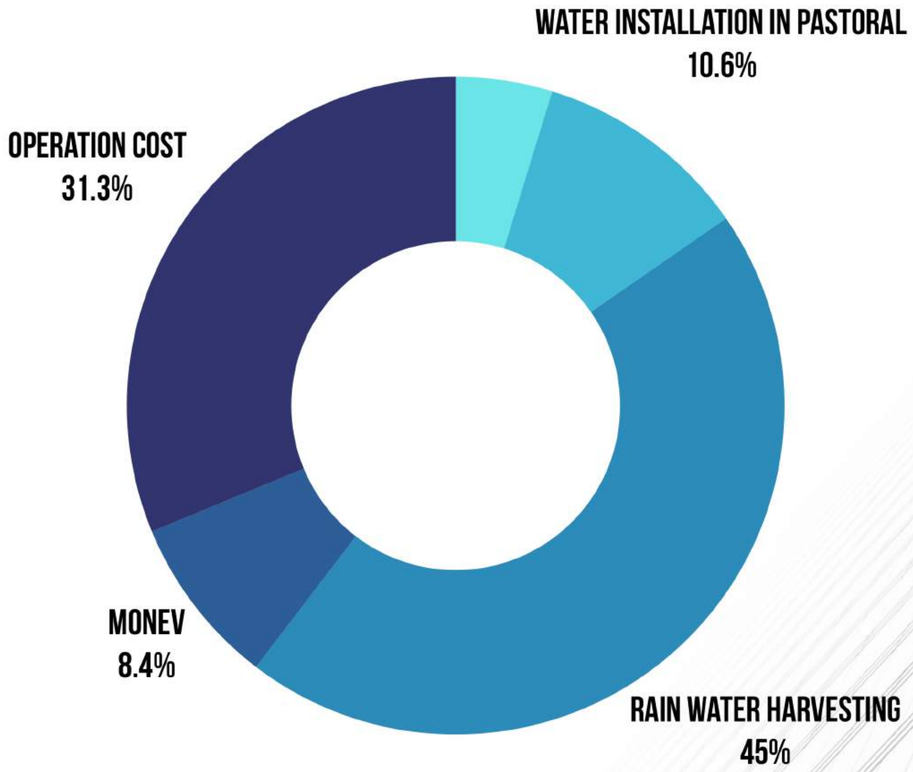
Ni Luh Putu Paramashanti

Disetujui oleh,

Ayu Setia Wahdani

PROJECT DIAGRAM

Budget Analysis:



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THANK YOU