

REPORT HAMBARITA WATER CONNECTIONS - PHASE I

WAI PA LURI WANGU



SCAN HERE

To view the location of each ferrocement water tanks

HAMBARITA WATER CONNECTIONS
PHASE I - ACCESS TO CLEAN WATER FOR THE HAMBARITA COMMUNITY

FEROCEMENT TANK 5,3 m³ WAI PA LURI WANGU

BUILT BY HAND & TOGETHERNESS

The Wai Pa Luri Wangu (Water for Life) Ferrocement Tank, which was completed on August 6, 2025, is a water tank that was built manually by the hands of local residents together with the foundation.

Located in the **Huhu Tanguu Mara** family home, this house can accommodate ±15 people. It was built using cement, sand, wire, water, and most importantly, mutual cooperation and solidarity.

USAGE CAPACITY

Daily water necessities:
15 people x 16 liters = 240 liters
→ 5.300 ÷ 240 = around 23 days
This means that this tank is sufficient for ±23 days.

WHY IS THIS IMPORTANT?

This tank is used for:
• Drinking & Cooking
• Bathing & Washing
• Basic Hygiene & Health Needs



SCAN HERE
To view the Facility Map

More information:
kawanbaikindonesia.org
+62 818 0220 0818

Wai Pa Luri Wangu Tank

Radius (r): 85 cm
Height (h): 244 cm
Thickness (t): 3 cm
 π : 22/7 or 3,14

Tank Volume Formula

$V = \pi \times r^2 \times h$
To calculate the volume (V) in the tank, first find (r - t) before using the volume formula

Field Implementation Team:

kawan baik

FAIR FUTURE
FOUNDATION

Donations and Support by:

Rotary

WAI PA LURI WANGU^{5.300 litres}

Ferrocement Water Tank Data

1	Subdistrict	Waingapu City
2	Village	Mbatakapidu
3	Neighborhood	Hambarita
4	RT / RW	09/05
5	Number of Houses	3
6	Number of Families	4
7	Total Residents	16
8	Name of Regional Head/Community Leader	Jhoni Mbulu Mangal
9	Phone Number of Regional Head/Community Leader	+6282322584559
10	Number of people present at the meeting	8
11	Number of Existing Water Source Points	The available water sources are seepage water collected in stone excavations (Kullup) and these water sources will dry up in the dry season, so people maximize their rainwater harvesting and buy tank water during the dry season.
12	Problems Faced	Lack of sufficient storage for daily clean water needs
13	Assistance that Hambarita residents have received regarding clean water	Sanitation Assistance (Unused condition due to lack of water)
14	Distance from Rumah Kampera - Location (km)	28 KM
15	GPS Location Link	844W+G37 Pambotanjara, Kabupaten Sumba Timur, Nusa Tenggara Tim.
16	Name of Person in Charge of the Ferrocement Water Tank	Huhu Tanggu Mara
17	Whose land is the land used for construction on?	Huhu Tanggu Mara
18	Distance from the ferrocement water tank to the nearest house (meters)	16
19	Distance from the ferrocement water tank to the farthest house (meters)	4
20	How far is the ferrocement water tank from the nearest house roof (meters)	4 meter
21	House Size	5 meter X 7 meter
22	Roof Rain Gutter Requirements	3 pieces
23	Are residents willing to cooperate in the construction of the reservoir?	Residents are ready to cooperate and be actively involved

Cost Summary of Wai Pa Luri Wangu

Water Tank Names	Building Ferrocement Water Tank	Construction of rainwater harvesting and filter installation	Monitoring and Evaluation	TOTAL BUDGET
WAI PA LURI WANGU	Chf. 1326	Chf. 545	Chf. 215	Chf. 2086

The Story of the Wai Pa Luri Wangu

Work took place from July 22 to August 6, 2025. The stages included material delivery, foundation construction, steel frame construction, wall installation, double-sided plastering, and pipe installation.

The second week continued with the construction of the enclosure, painting, and finishing work, including the fireplace, cleaning, and final inspection. All work proceeded smoothly with community support, without any significant obstacles.

