

REPORT HAMBARITA WATER CONNECTIONS - PHASE I

WAI MA HAMMU



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 4,4 m³ WAI MA HAMMU

BUILT BY HAND & TOGETHERNESS

The Wai Ma Hammu (The Best Water) Ferrocement Tank, which was completed on June 5, 2025, is a water tank that was built manually by the hands of local residents together with the foundation.

Located in the **Ndawa Kahindu** family home, it can accommodate ± 15 people. It's semi-buried to maintain temperature and prevent contamination. It was built using cement, sand, wire, water, and, most importantly, mutual cooperation and solidarity.

USAGE CAPACITY

Daily water necessities:
15 people \times 16 liters = 240 liters
 $\rightarrow 4,400 \div 240 =$ around 18 days
This means that this tank is sufficient for ± 18 days.

WHY IS THIS IMPORTANT?

- Drinking & Cooking
- Bathing & Washing
- Basic Hygiene & Health Needs



SCAN HERE
To view the Facility Map

More information:
kawanbaikindonesia.org
+62 818 0220 0818

Wai Ma Hammu Tank

Radius (r): 77 cm
Height (h): 244 cm
Thickness (l): 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 - l) before using the volume formula

Field Implementation Team:

kawan baik

Donations and Support by:

FAIR FUTURE
FOUNDATION

Rotary

WAI MA HAMMU 4.400 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	3
7	Total Residents	15
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	11
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 (<i>Unused condition due to water shortage</i>)
14	Distance from Rumah Kampera - Location (km)	28 KM
15	GPS Location Link	74XX+GH2 Pambotanjara, Kabupaten Sumba Timur, Nusa Tenggara Tim.
16	Name of Person in Charge of the Ferrocement Water Tank	Loda Ana Amah
17	Whose land is the land used for construction on?	Ndawa Kahindu
18	Distance from the ferrocement water tank to the nearest house (meters)	10 Meter
19	Distance from the ferrocement water tank to the farthest house (meters)	15 Meter
20	How far is the ferrocement water tank from the nearest house roof (meters)	4
21	House Size	9 meter X 12 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 Ma Hammu

Water Tank Names	Building Ferrocement Water Tank	Construction of rainwater harvesting and filter installation	Monitoring and Evaluation	TOTAL BUDGET
WAI MA HAMMU	Chf. 1353	Chf. 480	Chf. 215	Chf. 2048

The Story of the Wai Ma Hammu

The first week focused on material distribution, site clearing, foundation assembly, tank mold installation, interior and exterior plastering, and pipe installation. Nine people participated in construction and 15 in unloading materials. Roof rain gutter installation took place on May 27–28 with the assistance of professionals.

Work was delayed due to rain and a bereavement, but was rescheduled. By the end of the second week, progress had reached 70%. The second week focused on finishing, casting the ferrocement water tank cap, and painting. With favorable weather, the work was fully completed by June 8, 2025.

