

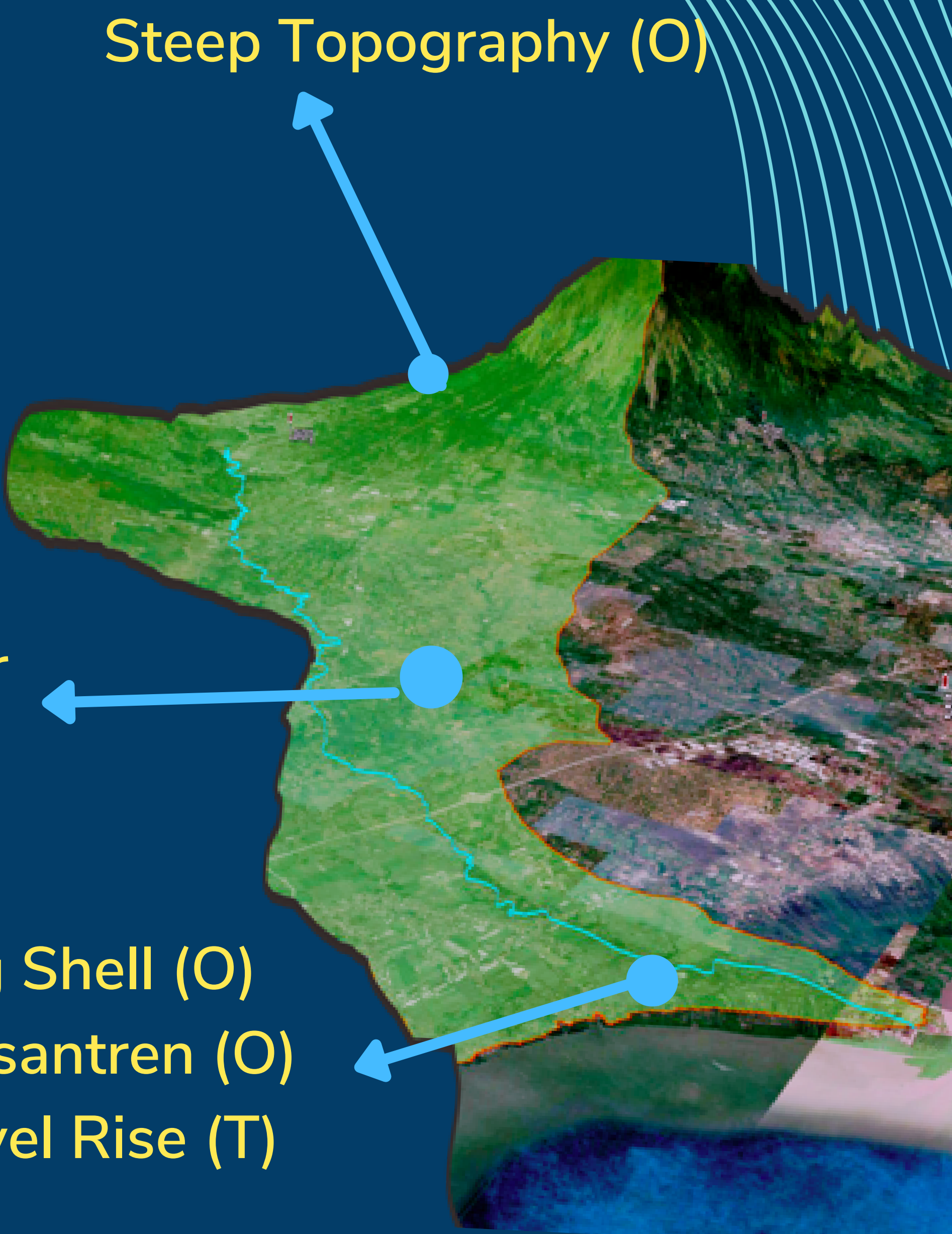
Welang Apik: The Ideas For a Healthier Welang River

EXISTING CONDITIONS

- S** Abundant Amount of Water
Source of Irrigation
High Number of Productive People
- W** Lack of Water Catchment Area
Bad Habit & Lack of Awareness
Pollution
- O** Tourism Potential
- T** Heavy Rainfall

Sediment for
Brick Stone

- Kupang Shell (O)
- Eco-Pesantren (O)
- Sea Level Rise (T)



VISIONS

"Creating a beautiful and flood-free Welang River through a sustainable development that balanced social, economy, natural, and built infrastructures with smart and integrated solutions."

MISSIONS

- Optimization of Water Infiltration Areas
- Improvement of Community's Well Being and Awareness
- Utilization of Water as Resources
- Water and Sedimentation Storage
- Resilient Estuary
- Integrated Smart Mitigation System

PRIOR SOLUTIONS

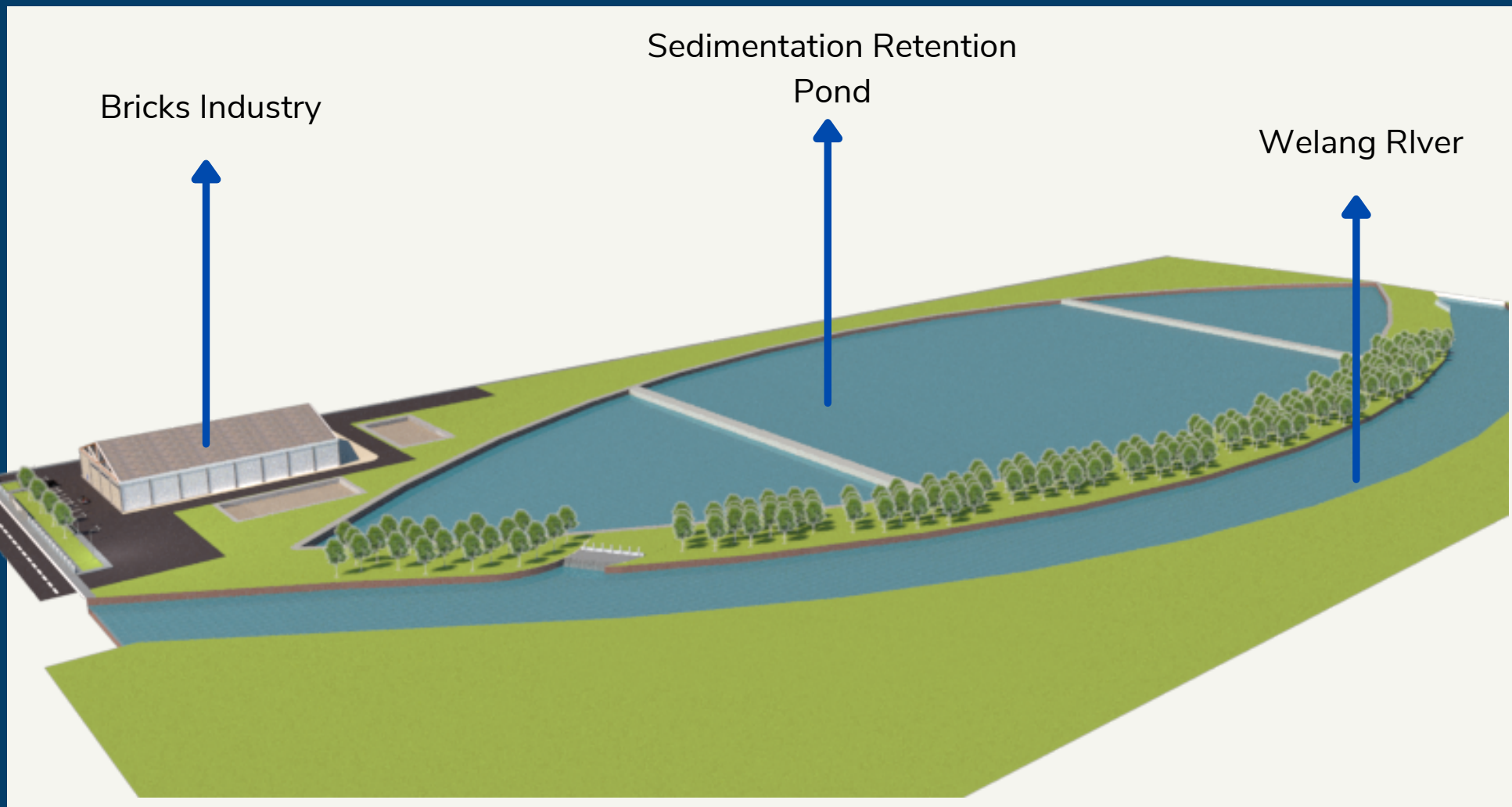
UPSTREAM The New Face of Gunung Baung



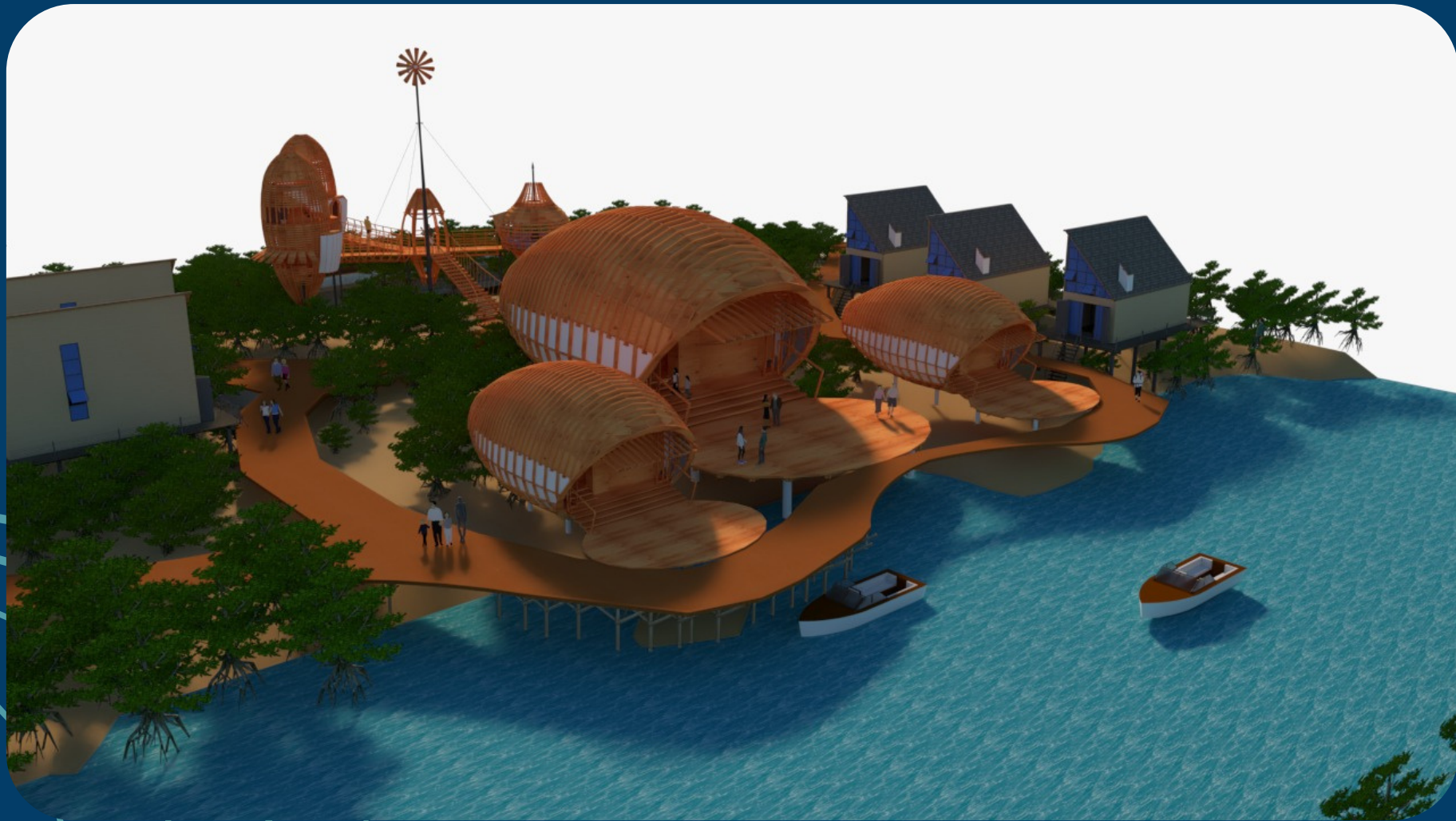
1. Hydrological regulator and water catchment area
2. Reduce flood in the mid and downstream
3. A new environmental edu-center for local community

MIDSTREAM Sediment Bank & Industry

1. Reduce flood until 200,000 m3
2. Reduce the sediment in downstream area
3. Create Pasuruan City as a central of brick industry.



DOWNSTREAM Pasuruan Water Space & Ecotourism



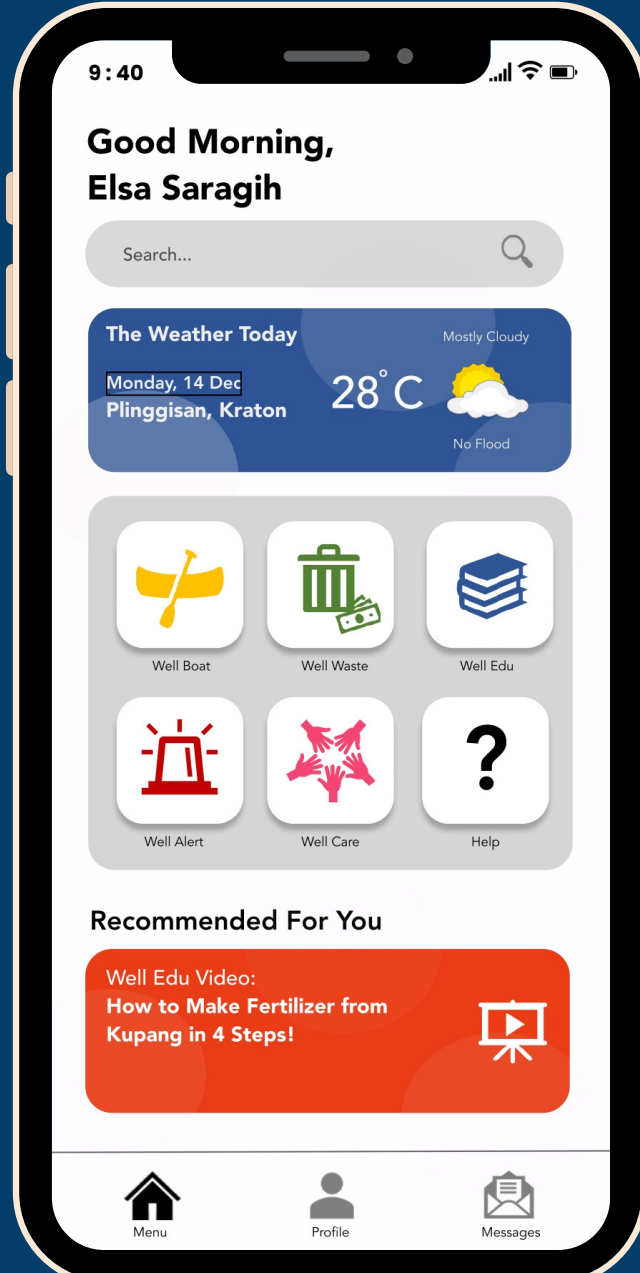
1. Connected with other welang tourism using well-boat program.
2. Acomodating artificial lake infrastructure to support reducing flood until 1 million m3, hotels, restaurants, welang merchadise store, and edu-mangrove

INTEGRATED Pro Apik Movements

1. Pro Apik Hijau: Replanting mangroves and riparian zone
2. Pro Apik Bersih: Clean the Welang River from Waste
3. Pro Apik Juara: Challenge for villages to clean/develop Welang River Environment. Winner village will be having incentives.

Welang Apik Application

1. Facilitates local communities to collaborates
2. Increase the awareness and economy aspect of local communities



Welang Apik: The Ideas For a Healthier Welang River

KONDISI EKSISTING

- S** Banyaknya volume air
Sumber Irigasi
Penduduk Usia Muda Tinggi
- W** Kurang Daerah Resapan Air
Kebiasaan Buruk & Kurangnya Kesadaran Masyarakat
- O** Polusi
- T** Potensi Pariwisata
- T** Curah Hujan Tinggi



VISI

"Menciptakan Sungai Welang yang indah dan bebas banjir lewat pembangunan berkelanjutan yang menyeimbangkan infrastruktur sosial, ekonomi, natural dan terbangun dengan solusi cerdas dan terintegrasi"

MISI

- Optimisasi Daerah Infiltrasi Air
- Peningkatan Standar Hidup dan Kesadaran Masyarakat
- Pemanfaatan Sumber Daya Air
- Penyimpanan Air dan Sedimentasi
- Membangun Muara Tahan Banting
- Mengintegrasikan Sistem Mitigasi Banjir

SOLUSI PRIORITAS

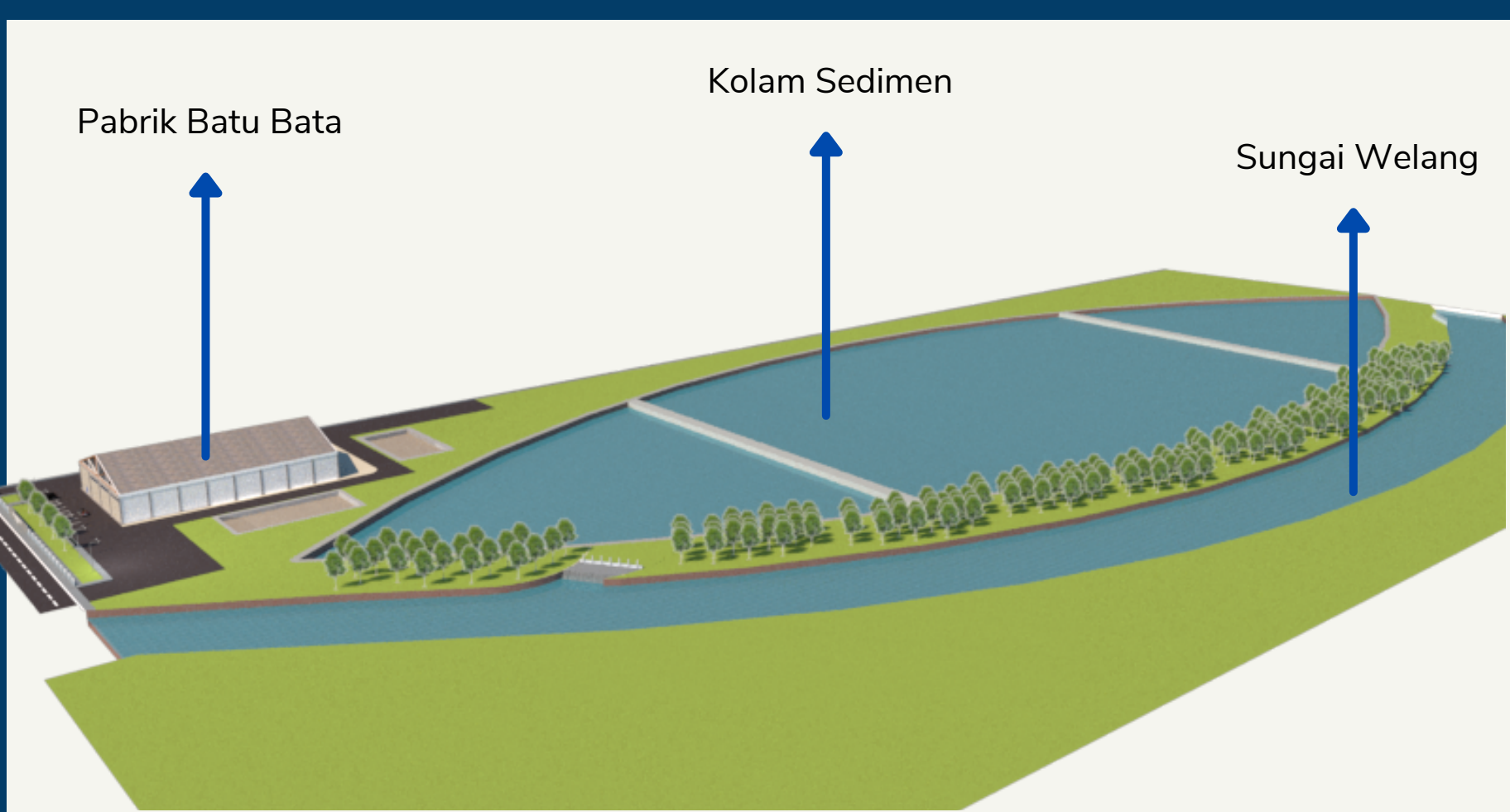
UPSTREAM The New Face of Gunung Baung



1. Pengatur hidrologi alami dan kawasan resapan air
2. Mengurangi potensi banjir di daerah midstream dan downstream
3. Pusat pendidikan lingkungan hidup bagi masyarakat sekitar DAS

MIDSTREAM Sediment bank & Industry

1. Mengurangi volume banjir hingga 200,000 m3
2. Mengurangi sedimentasi di daerah downstream
3. Mengembangkan Kota Pasuruan sebagai pusat industri batu bata



DOWNSTREAM Pasuruan Water Space & Ecotourism



1. Terhubung dengan wisata Welang lain menggunakan program well-boat
2. Memiliki fasilitas danau buatan dengan tampungan hingga 1 juta m3, hotel, restoran, toko merchandise welang, dan edu-mangrove

INTEGRATED Pro Apik Movements

1. Pro Apik Hijau: Penghijauan mangrove dan zona riparian
2. Pro Apik Bersih: Membersihkan sungai dari sampah
3. Pro Apik Juara: Lomba desa-desa dalam membersihkan/mengembangkan lingkungan Sungai Welang

Welang Apik Application

1. Memfasilitasi masyarakat untuk berkolaborasi
2. Meningkatkan kesadaran dan aspek ekonomi masyarakat sekitar

