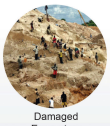
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Desa Binaan Tampelas

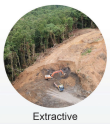
Indonesia

A regenerative village model that reconnect nature, empower communities, and build resilient local economies.

Issues


Damaged Ecosystem


Inadequate Facilities


Extractive Activities

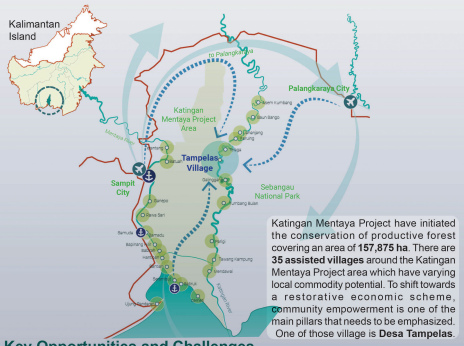

Peatland Fire

Shifting **Intent** *Into* **Action**

The main vision of this project is to protect biodiversity from destructive industries through the provision of adequate infrastructure; encompassing communal spaces, industrial spaces, disaster mitigation spaces, as well as housing for healthcare workers and teachers. This approach ***shifts intent into action*** to protect the ecosystem while simultaneously enhancing the economic value of the community. Tampelas sets a new standard for sustainable development, demonstrating that environmental conservation and the economic advancement of the village can go hand in hand.

Why Tampelas?

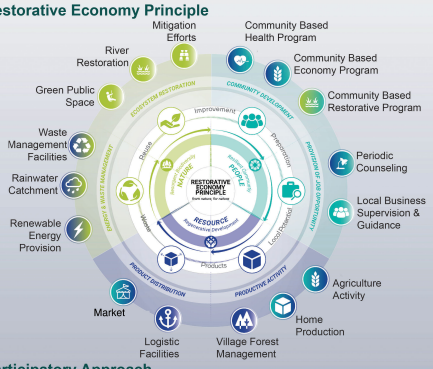
Tampelas as A Starting Point



Katingan Mentaya Project have initiated the conservation of productive forest covering an area of **157,875 ha**. There are **35 assisted villages** around the Katingan Mentaya Project area which have varying local commodity potential. To shift towards a restorative economic scheme, community empowerment is one of the main pillars that needs to be emphasized. One of those village is **Desa Tampelas**.

Design Strategy

Restorative Economy Principle



Sustainability Strategy



Key Opportunities and Challenges





- Snakehead Fish and Albumin
- Urgency of Electrical Needs
- Community Readiness
- Land Availability
- Forest and Land Fire Risk

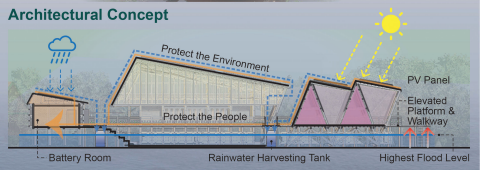
Participatory Approach


Design Process


Construction Stage


Operational

Architectural Concept





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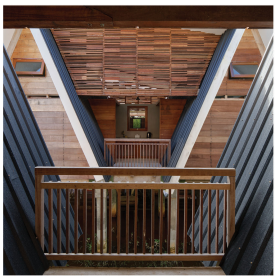
BlueScope metal roofing meets local material in harmony with its surroundings.

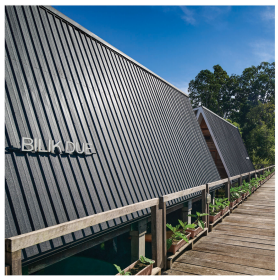


Desa Binaan Tampelas project applies **Performance-Driven Design** through the use of multifunctional **BlueScope** metal roofing, serving as both roof and wall to withstand the extreme humidity of the peatland ecosystem without overloading the raised foundations. The material is also designed as a platform for site signage and solar photovoltaic (PV) panels, providing clean energy for village operations. Combined with locally crafted woven rattan façades, this approach integrates modern technology with local wisdom, creating a contextual architectural identity that minimizes construction waste, reduces long-term maintenance, and supports sustainable development.



The community field adapts to seasonal conditions, allowing temporary submersion during floods (see top) while the building remains functional, and serving as a community space when waters recede (see below).

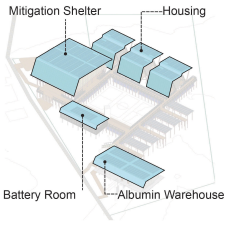


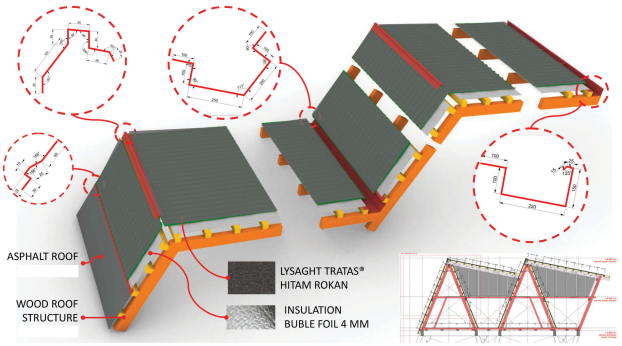






All buildings at Tampelas use BlueScope Lysaght TRATAS Hitam Rokan for roofing and wall cladding, covering approximately 1,881.11 m².





Isometric and Roof Detail of Housing building, using **BlueScope** product.





The structure and building are collectively constructed by the community, and exposed as a part of the interior.

Project Name	: Desa Binaan Tampelas
Project Owner Name	: PT Rimba Makmur Utama
Architect Name	: Ar. Prasetyoadi, IAI Ar. M. Deni Desvianto, IAI Ar. Achmad Zakaria, IAI Ar. Libradi Dwiputranto, IAI Ar. Reza Kaedy, IAI Ar. Hanief Wicaksana, IAI Ar. Raja Amalia Divya R, IAI Bayu Putra Rakhadiyan Samsuri
City & Country	: Katingan, Central Kalimantan, Indonesia
BlueScope Product	: Lysaght Tratas®
Colour	: Hitam Rokan

Scan this QR code to see more of Desa Binaan Tampelas.

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