



PROJECT 1

ANALYSIS PROCESS

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Research

Location: hillside of Ubud, Bali, Indonesia.

Completion Year: 2019

Architect: Maximilian Jencquel (from Studio Jencquel Based in Bali)

Area: 450 square meters



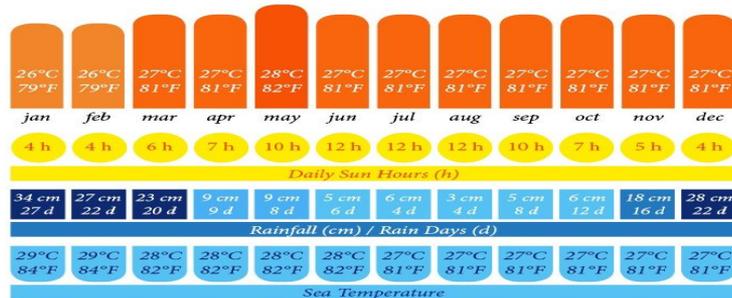
- Architect Maximilian Jencquel, born in 1978, in Venezuela.
- Pursued Interior Design at ESAG Penninghen in Paris, with the thesis project Cabuya, a bamboo house.
- Mostly practices contemporary construction techniques that are less harmful to the environment.
- Established studio Jencquel in 2011, after moving to Indonesia in 2010.

Research

Traditional Balinese longhouse concept can be easily recognized where the house seems **connected and 'blends'** in with the surrounding natural wilderness. It open from all sides where ample air flow provides cross ventilation and allows to receive plenty of natural light from the rising sun. Integration of natural elements through materialities used also gives a sense of connectedness with the natural surrounding.



WEATHER - MONTHLY AVERAGES Bali



- the site of the house mostly experiences tropical, warm and humid climate with a temperature of **26-28 degree celsius** all year round.
- relatively large site on a prime piece of property close to Ubud.
- warm to hot all year round and invites to bathe at average water temperatures of 28 degrees
- rising above a multitude of palm trees, orchids, birds and more.

PARTI

Horizontal hierarchy

- Based on a Balinese longhouse
- Different floors uses different materials
- Ground floor is more private compared to first floor

Blends into the environment

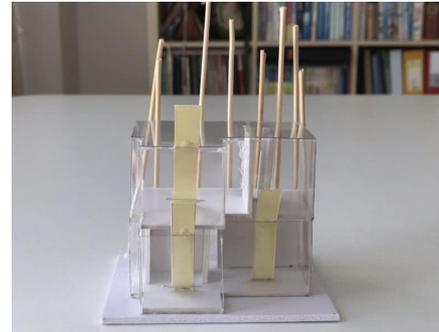
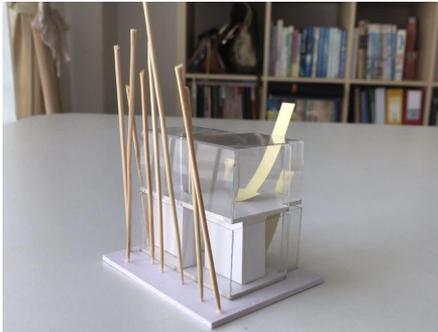
- Materials used were taken from the surrounding
- Vertical frames of the house blends into the trees

Meant to be opened and not boxed in



CONTEXT

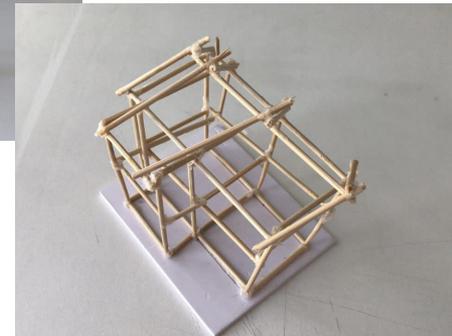
- Focus on natural lighting and tropical settings
- Gives a simulation of how users view inside the house from the most lighting side
- The most lighting side: East
- Used arrow to mention the direction of the lighting (for mock up)
- One of the most prominent features of this side which is sloped hill



STRUCTURE

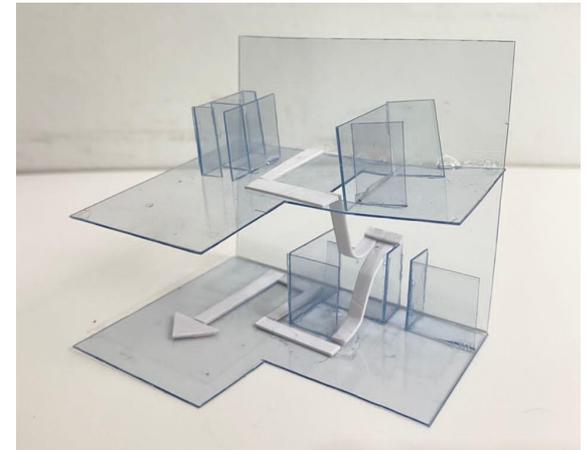
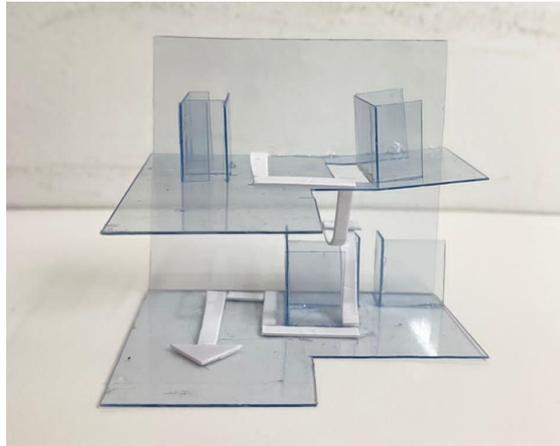
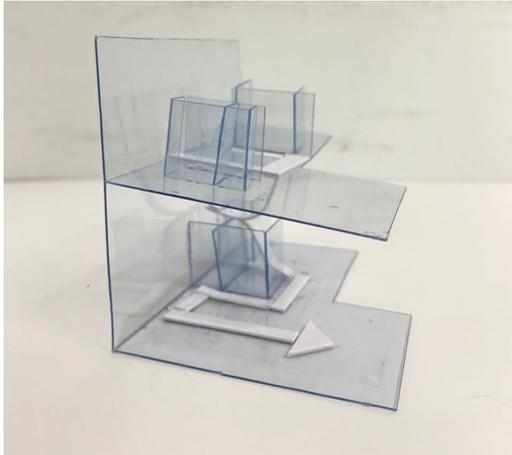
Materials: Balinese terracotta brick, charred ironwood, lavastone

- Follow the columns and beams from the floor plans
- Different thickness of materials used (for mock up)
- Thicker stick as main supporting points
- Tick out the shape of this building



Circulation

- Vertical circulation
- From one floor to another
- Spiral circulation
- Has to go around the house to go to the other floors



Space Planning

Private Space

- Mostly on the ground floor as it is where all the bedrooms are at

Public Space

- Mostly on the first floor as it has all the shared space such as living room and kitchen