The Hybrid: Skatepark & Urban facilitator in Bandung
1  URBAN ANALYSIS
   PROBLEM STATEMENT

2  RESEARCH
   ARCHITECTURAL GRAMMAR / ALGORITHM
   DESIGN PROCESS

3  DESIGN / Skatepark // Urban facilitator
   PROGRAM

4  FABRICATION / CNC Milling
   ASSEMBLY
   STRUCTURAL CONCEPT

5  IMPRESSIONS
BANDUNG

2nd largest METROPOLITAN AREA

8.6 MILLION PEOPLE

MORE THAN 50% < 18 YEARS OLD
INTRO / Youth groups
URBAN ANALYSIS / Activities // Youth-culture related
PROBLEM STATEMENT / Skateboarders // Main skatespot: Taman Fanda
PROBLEM STATEMENT / Skateboarders // Main skatespot /// Damage
- Mudah-mudahan, skater-skater lain dari daerah lain...
- That skaters from other regions...
- Penerjaannya juga karena dikota dan bukan di lahan pribadi...
- The building process needed to be camouflage as well, since the city isn't exactly private property...

- Kita juga harus nyamarankan dengan memakai baju

- Urban furniture
Problem Statement / Skateboarders // Build Your City Project /// Urban furniture stolen
PROBLEM STATEMENT / Skateboarders // Build Your City Project /// Urban furniture stolen
PROBLEM STATEMENT / Skateboarders // Build Your City Project /// Urban furniture //// Bus stop
PROBLEM STATEMENT / Skateboarders // Demonstration
WE NEED ADEQUATE FACILITIES FOR SKATEBOARDING IN THIS CITY
PROBLEM STATEMENT / Pasupati skatepark // Poor quality construction
PROBLEM STATEMENT / Pasupati skatepark // Poor quality construction
PROBLEM STATEMENT / Pasupati flyover // Reprogrammable plots
URBAN ANALYSIS / Pasupati flyover // Catalyzer of youth culture-related activities
URBAN ANALYSIS / Pasupati flyover // Catalyzer of activities happening in the kampung
URBAN ANALYSIS / Pasupati flyover // Safeguarding added activities taking place underneath
URBAN ANALYSIS / Pasupati flyover // Facilitator of external activities
How to facilitate the needs of skateboarders through the design of a hybrid building under the Pasupati flyover that works both as a skatepark & urban facilitator while adding architectural value and giving identity to skateboarders?

How can the strategic implementation of local Indonesian wood resources facilitate the construction of a flexible and hybrid building/skatepark in Bandung?
• WOOD FACILITATES SKATEBOARDING FLOW

• FLATGROUND AND WALLS

• LOCAL HARDWOOD EXPLOITED

• WOOD AS LIGHTWEIGHT

• UNIQUE CASE OF MERGING

• TRUSS CONSTRUCTION TECHNIQUE

• FRAME-BUILDING CONSTRUCTION

• DOUBLE CURVED SURFACE

• PROFILE-BUILDING CONSTRUCTION TECHNIQUE

• INTERIOR DESIGN PROJECT

• ADDED ARCHITECTURAL VALUE

RESEARCH / Case studies // Merging Types
Local Indonesian wood resources
RESEARCH / Skate elements & Components

- PYRAMID FUNBOX
- HIP FUNBOX
- MANUAL PAD
- LAUNCH RAMP/LANDING
- SPINE
- MINIRAMP
- VERTRAMP
- QUARTER + BANK
- BANK + LEDGES
- BANK + QUARTER
ARCHITECTURAL CONCEPT / Constrains / Merging & Flowing

FLYOVER

SKATEPARK

GROUND
ARCHITECTURAL CONCEPT / Merged skatepark & underneath Urban Facilitator
ARCHITECTURAL CONCEPT / Grammar // Algorithm process
ARCHITECTURAL CONCEPT / Grammar // Algorithm process /// High complexity little variables
DESIGN / Process // On-site constraints
DESIGN / Process // Skate elements tags for fabrication
DESIGN / Skatepark // Masterplan
DESIGN / Urban Facilitator // W-S Axo /// Concrete landscape
GOODs  ACTIVITIES  DESCRIPTION  CATEGORY

PARKING & BIKE REPAIR  WORKING
WOOD FACTORY producing / assembly / repairing / upgrading
ARTISTIC ROUTE: promoting youth-culture design...
MUSEUM OF SKATE: skateart, decks, sculptures...
MOSQUE  RELIGIOUS
SELF PROMOTION OF LOCAL BRANDS  COMMERCIAL
KAMPUNG SELLERS MAKING BUSINESS
ELDERS' PLAYGROUND
YOUNGSTERS' PLAYGROUND
FAMILIES' PLAYGROUND
EVERYBODY'S PLAYGROUND
DESIGN / Urban Facilitator // Program /// Museum of skate & artistic route
permanent exhibition in the Museum of Skate
furniture design exhibition from discarded skate decks
DESIGN / Urban Facilitator // Program /// Communal areas

- MECHANIC
- WORKSHOP CLASS
- OFFICIAL MEETING
- PLAYGROUND OLD
- PLAYGROUND YOUNG
- CHILL OUT AREA
- READ ZONE
LOCAL BRAND PROMOTION
FOOD STALLS
KAMPUNG VENDORS
everyday commercial & leisure activities in the Urban Facilitator
• Whole column assembly in Urban Facilitator Factory

• Assembly on plint on site
ASSEMBLY / Foundation piles
ASSEMBLY / Whole column placement
ASSEMBLY / Skate-element placement
ASSEMBLY / Connection with neighbouring skate-elements
• BAMBOO COLUMNS / • STEEL COLUMNS
ASSEMBLY / Connection with neighbouring elements
DETAIL / Connection with neighbouring elements // Bolt & nut connection
ASSEMBLY / Sub-component // Notched slots
ASSEMBLY / Connecting sub-components
ASSEMBLY / Notching principles // need of CNC Milling
FABRICATION / CNC Milling process // Tilt notching
ASSEMBLY / Connecting borders
• Whole column assembly in Urban Facilitator Factory

• Assembly on plint on site
ASSEMBLY / Building sections // Time evaluation

63.3% + 10% = 26.7%
DETAIL / Connection skate element on joint // Flexibility for maintenance
DISASSEMBLY / Flexibility
Wednesday neighborhood kampung market
Bandung BOWL-A-RAMA International Skate Contest
everyday skateboarding scene
emergent bands showtime night