Sustaining balance in the livelihoods of the local kampong residents through the cultural values of their community within the colonial city center of Bandung
SHARED HERITAGE STUDIO

INTERPRETATION

Shared Heritage comprises of a history of past events, built structures and infused cultures which is shared by two or more entities.

In shared heritage one cannot exist without the other.

Shared heritage can be used as a means to grow a stronger relation in order to work together towards a meaningful future for current and future generations.
PERSONAL FASCINATION

*inspired by my uncle*

__________________________

*Livelihood*
SITE LOCATION

Bandung

Indonesia

Historical city centre
SITE LOCATION

- Railroad
- Braga street
- 1884
- 1894
- 1902 Pedatiweg
- 1920s 'Parijs van Java'
- 1811
- Jalan Asia-Afrika 'Groote Postweg'
STREET VENDORS
INFORMAL ECONOMY

61% of the world’s employed population

“most of them in emerging and developing countries.
The majority lack social protection,
rights at work and
decent working conditions”.

Source:
THROUGH THE EYES OF A

STREET FOOD-VENDOR

from kampong Braga
CURRENT SITUATION

SUMMARY

BRAGA STREET

Colonial structures as well as dilapidated structures

Vacant buildings leading to unused space

Space for green

Crowdedness through traffic and tourists

Formal economic activities

Hygienic facilities, and healthy living and working environment

KAMPONG

Colonial structures, but more dilapidated structures

Lack of space

Space for green and livestock

Crowdedness through small spaces and community

Informal economic activities

Lack of hygienic facilities, and healthy living and working environment
"Sustainable development is development that meets the needs of the present, without compromising the ability of future generations to meet their own needs."

**FACILITATING GROWTH** is necessary to meet the needs of **FUTURE GENERATIONS**.

**SUSTAINING BALANCE** is necessary to meet the needs of **CURRENT** and **FUTURE GENERATIONS**.
DESIGN QUESTION

How can the cultural values within the kampong community be implemented in order to contribute to the transformation of the old colonial city centre of Bandung and vice versa?
SEARCHING

for a location

The building with the tree
First glimpse of the interior
Interior of the building
RE-SEARCHING

THE CULTURAL VALUE OF THE BUILDING

One of the first shops

Ranging from ammunition to car shop

Assumed architect to be Richard Schoemaker
CURRENT SITUATION

Hellerman building

P = +0.00
Braga street

P = -5.50
Kampong Braga
DIFFERENT TIME LAYERS

within the Hellerman building
DIFFERENT TIME LAYERS

within the Hellerman building

Backbuildings before 1918

Presence Barrel vault structure
DIFFERENT LAYERS

within the Hellerman building

The Hellerman building
1918
DIFFERENT LAYERS

within the Hellerman building

Connecting building
After 1918
FRONT FACADE

Original design

1918
1959
A fire broke out causing half of the building burned out including the Southern tower. When it was renovated, the burning tower was not rebuilt.

FRONT FACADE

further development

1959 - 1999

1959 - 1999
FRONT FACADE

further development

2010
FRONT FACADE

further development
SITE ANALYSIS

CONNECTION

Mosque

RW

Braca Street

Kapundung River
SITE ANALYSIS

VACANCY

Vacant
inefficient use of first floor

Abandoned, dilapidated
SITE ANALYSIS

HIGH CULTURAL VALUES FROM ITS RICH HISTORY
SEARCHING

for a programme

existing (colonial) structures
vacancy
green spaces
community
informal economic activity
hygienic facilities

suite the current needs of kampung Braga and the Braga street
‘Economic growth is only sustainable if all countries have food security’

- Maximo Torero
  (International Food Policy Research Institute)

Source: http://www.ifpri.org/blog/food-security-brings-economic-growth-not-other-way-around
PURPOSE

*Sustaining balance in the livelihoods of the local kampung residents through their cultural values, within the colonial city centre,*

*by providing*

**Healthier working environment**

**Food security**

*Food security is when people have reliable access to sufficient, affordable, nutritious food to support a healthy life.*

KAMPUNG KITCHEN

**Programme**

**Kitchen**
- Street vendors
- Users of the restaurant to let other taste their culture
- Kampong residents in support of their dining space
- Education hub

**Farm**
- Produce the ingredients

**Education Hub**
- The ingredient holding it together: managing the system
- Exchange of knowledge

*Gotong royong* (mutual help)
STARTING POINTS

**DESIGN**

**Using existing qualities**

To guide the programme

**Connecting the two worlds**

Opening up the back facade & front facade

**Connecting the internal layers of the building**

Added volume
Light & open structure

**Revival of Heritage through cultural experience**

Routing
RESEARCH BY DESIGN

PROGRAMME
• Securing the use of each floor
• Efficient connection to the other programme functions
- Making use of the existing qualities
• Bringing back lost qualities to the kampong through visual connection
Connection with the rest of the programme
- Throughout the whole building
- Breaths through the building
APPROACH FROM THE KAMPONG

PROGRAMME
APPROACH FROM THE

KAMPONG

Current situation

OVERLAY PHOTOSHOP
APPROACH FROM THE

KAMPONG

Current situation
APPROACH FROM THE

KAMPONG

Open square approach
APPROACH FROM THE KAMPONG

Shop-house Approach
BIOGAS TANK

COMPOSTING

STORAGE
PROCES

PROGRAMME

APPROACH FROM THE KAMPONG
NEW STRUCTURE

Light & Open

Lightweight structure

Porous | Open

Familiar for the Kampong Residents

Indonesian graphic design studio Le Bo Ye, in Kemang, Jakarta, designed by architect Andra Matin

Source: http://bluprint.onemega.com/studio-andramatin-indonesia/
WEST FACADE

OPENING UP THE BACK FACADE

HIGH AGE VALUE
NO COHERENT WHOLE WITH THE NEW LAYER; OLD FACADE HAS CLOSED CHARACTER, BECAUSE THAT’S WHAT IT’S MADE FOR

WHY KEEP THE OLD LAYER?

BUT NO NEW USE VALUE FOR THE NEW DESIGN

OPENING UP THE BUILDING TO THE KAMPONG AND EXPOSING THE RICH LAYER THAT THE ORIGINAL STRUCTURE HAD TO OFFER.

DILEMMA BACK FACADE
NEW STRUCTURE

LIGHT & AIR
STRUCTURE

BATTEN WALL

ROTATING BATTENS
Vertical timber louvres 25x250mm

3 mm steel plate
Ø20 mm steel pin with wall thickness 5 mm
3 mm steel plates with rubber
wooden block for placement.

3 mm steel plate
Ø20 mm steel pin with wall thickness 5 mm
3 mm steel plates with rubber at bottom
Wooden U-frame bolted to floor with openings to let rain water through

Existing concrete floor
NEW STRUCTURE

LIGHT & AIR
APPROACH FROM THE KAMPONG

THE NEW STRUCTURE

CONNECTION ROOFS

PROGRAMME
CONNECTION ROOFS
CONNECTING THE DIFFERENT LAYERS

- CURRENT ROOF HAS BEEN ADJUSTED OVER TIME

- DIFFERENT ROOFS DON’T HAVE A RELATION WITH EACH OTHER AND MIGHT GIVE PROBLEMS IN THE NEAR FUTURE IN THE WAY IT IS NOW
CONNECTION ROOFS

LIGHT & AIR
TECHNICAL ASPECTS

ELECTRICITY

RAINWATER

HEAT GAIN
THE NEW STRUCTURE

CONNECTION ROOFS

APPRAOCH FROM THE KAMPONG
Small details such as the original structure is still kept, but where the modern movement required more space:

thereby closing of the front facade, translating the clerestory further into the windows of the first floor, where depth is added to provide shade.

The architect designed this layer with respects to the needs of the situation then, sing the original aspects as a guideline.
APPROACH

FRONT FACADE

CURRENT SITUATION

ORIGINAL DESIGN
RECONSTRUCT EVERYTHING?

DILEMMA FRONT FACADE

HIGH HISTORICAL VALUE
IT’LL FIT THE NEW FUNCTION
BRING BACK THE PROMINENT TOWERS

BUT,
CAN YOU TRULY BRING BACK STH THAT HAS EVER BEEN GREAT?
APPROACH

FRONT FACADE

RECONSTRUCTION  REINTERPRETATION  ADAPTATION

CURRENT SITUATION
APPROACH

FRONT FACADE

DEMOlISH PARTS OF THE FRONT FACADE
APPROACH

Braga Street

Opening in the floor as opportunity & tree as inspiration

Depth of the facade

Informal slanted structure

Turning into public space & creating a visual connection
VIEW FROM THE RESTAURANT
Using the grid of the front facade to guide the new facade

Using the high windows for daylight as well as ventilation

Reinterpreting the plint
NEW ENTRANCE KAMPONG
NEW ENTRANCE KAMPONG

DAYLIGHT
NEW ENTRANCE KAMPONG

DAYLIGHT
NEW ENTRANCE KAMPONG

DAYLIGHT

PLASTIC ROOF TILES

ROOF FROM THE KAMPONG
NEW ENTRANCE KAMPONG
THE TOWER

APPROACH RECONSTRUCTION

CULTURAL VALUE

HIGH HISTORICAL VALUE
PROMINENT CHARACTER
DOMINANT LOOK
EYE CATCHER

HOW CAN SOMETHING FROM THE PAST BE USED IN CURRENT AND FUTURE GENERATIONS?
"focusing on creating dialogue and giving local craftsmen and architects the opportunity to work with conservation [...]",

"[...] but also the inclusion of the community is of crucial importance for the success of any reconstruction project."
RESEARCH

DILAPIDATED STRUCTURES  COMMUNITY  GREEN  STREET VENDOR  HYGIENE  SPACE

PURPOSE

Sustaining the livelihoods of the local kampong residents through their cultural values within the colonial city centre through healthier working environment and food security

SOLUTION

Existing qualities  Connecting the internal layers  Connecting the two worlds  Cultural experience
Thank you