



# **Ikatan Arsitek Indonesia**

Country Report on  
Green and Sustainable Architecture

Prasetyoadi (Tiyok), IAI  
Jaipur, 23 May 2017



# IAI – Status Update

- Established Green Building Department in 2010
- IAI has included sustainable and green architecture in trainings, CPD (continuous professional development) and basic criteria for design competitions
- Memorandum of Understanding between IAI and GBC Indonesia in 2010
- IAI and Green Building Council Indonesia developed GreenShip Homes rating system. The is website: [www.greenshiphomes.org](http://www.greenshiphomes.org)
- The rating is web based and free to use online
- The certification will be issued by Green Building Council if necessary
- The website is in operation on 2014
- Supporting Local Government to develop local green building regulations
- Green and Sustainable Architecture is now under Department of Research Development IAI

# GREEN BUILDING IN JAKARTA

- Jakarta Governor Decree No. 38/2012
- It is enforced since 2013 through Architecture Review Board
- The results up to May 2016
  - Applied to 260 buildings, approx. 15 million m<sup>2</sup>
  - Energy Saving: 853,914 MWh/year
  - CO<sub>2</sub> emission reduction: 605,425 Ton/year
    - Cost Saving of approx. USD 68,313 million/year
  - Water use Reduction of 25-30%

# **Collaboration IFC – IAI – GBCI**

- Developing Green Building Module with Universities
- Knowledge of Sustainable Building Sharing as part of CPD
- CEO workshop of Top 15 Architecture Firm
- Public Housing Design Competition
- Architect's Convention in Makassar on 8 April 2017 between IAI and IFC-GBCI

## **Savings (GREENSHIP EB)**

As Per January 2017

<b>Item</b>	<b>Total</b>
Floor Area	<b>451,781m2</b>
Energy	<b>20,294,449KWH</b>
CO2 Emission	<b>18,082Ton</b>
Water	<b>264,014,102Liter</b>

## **Design and Target Savings (GREENSHIP NB-DR & NB-FA)**

Per January 2017

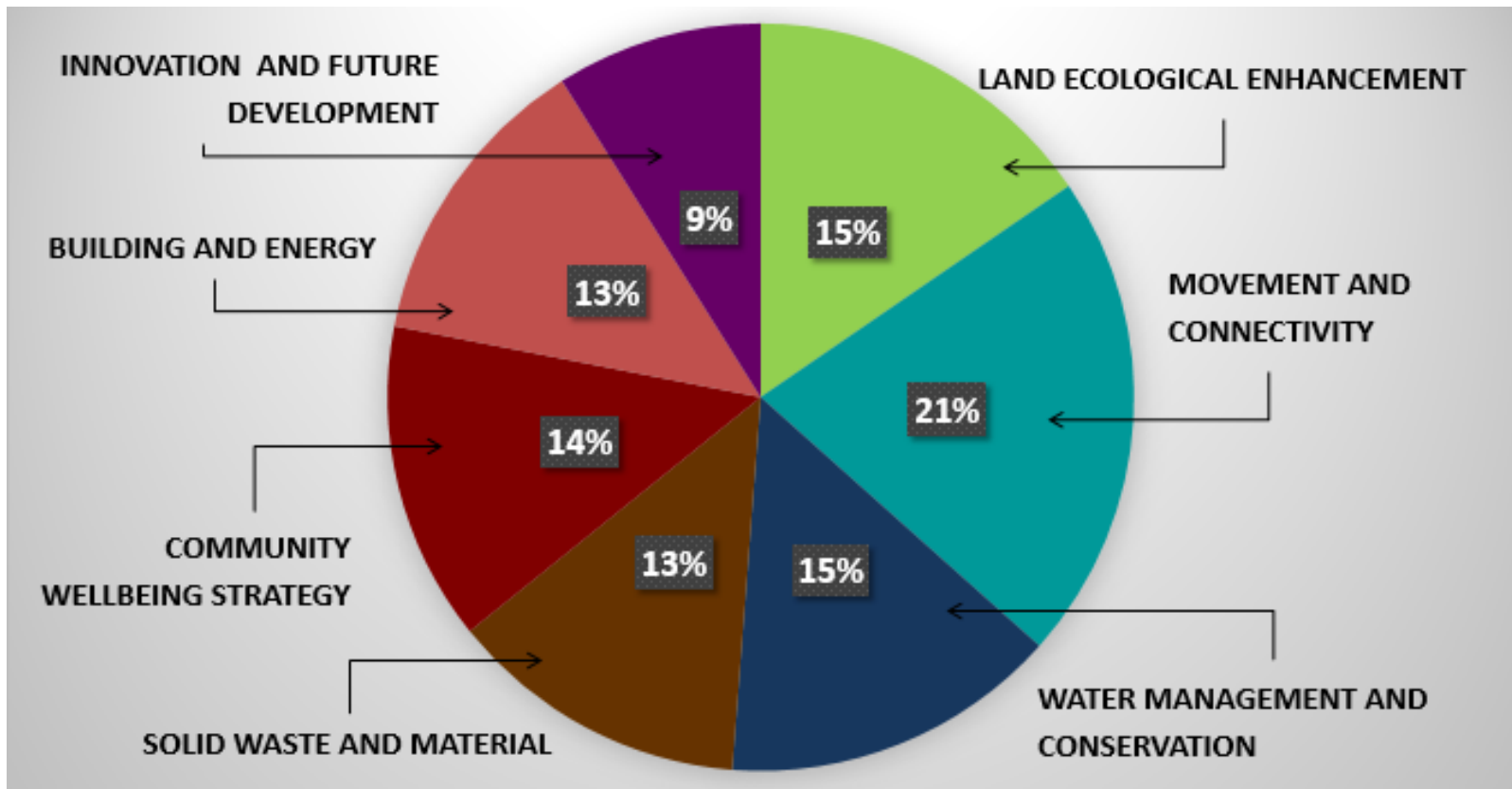
<b>Item</b>	<b>Total</b>
Floor Area	<b>1,146,701m2</b>
Energy	<b>96,635,043KWH</b>
CO2 Emission	<b>85,966Ton</b>
Water	<b>820,295,522Liter</b>

# GREENSHIP Homes Self Assessment

- Luas Lantai Bangunan Rata-rata (m2)
- Luas Lantai Bangunan Total (m2)
- Luas Tanah Rata-rata (m2)
- Luas Tanah Total (m2)



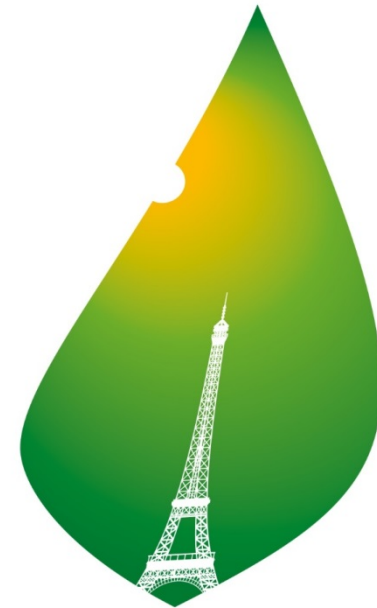
# Greenship Sustainable Neighbourhood



# World GBC Commitment 2050

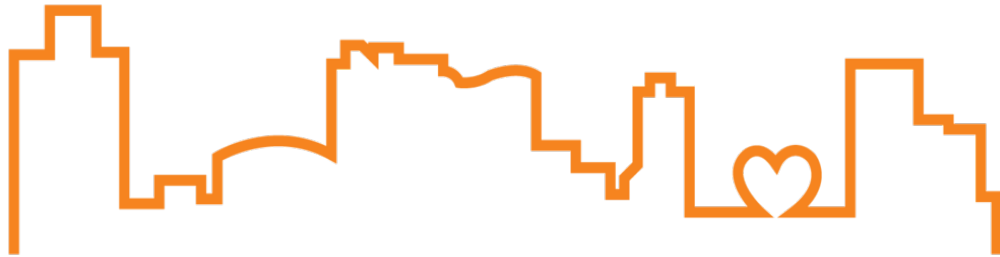
World GBC and its members who are in The Global Alliance for Buildings and Construction that were launched in COP21. These commitments are:

- Reduce the Global temperature raise by 2°C
- Reducing CO2 emission from building and construction sector to 84 Gigaton
- Ensuring every buildings to have Net Zero Emission



COP21 • CMP11  
**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE

# Better Places for People



## BETTER PLACES FOR PEOPLE

This is a global campaign program that inform the health effect and improve life quality for green building occupant..

All information about Health & Wellbeing could be accessed from this following website [www.betterplacesforpeople.org](http://www.betterplacesforpeople.org).



## The Business Case For Green Building

Asia Pacific program to attract investment in Asia Pacific to finance Green Building Development

GBC Indonesia, Malaysia GBC, and Vietnam GBC will be the pilot projects



## Asia Pacific Awards – Leadership in Green Building

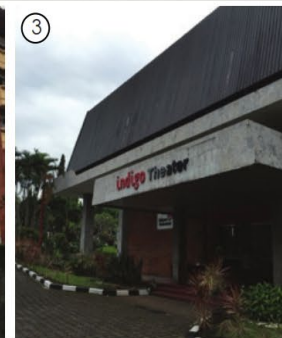
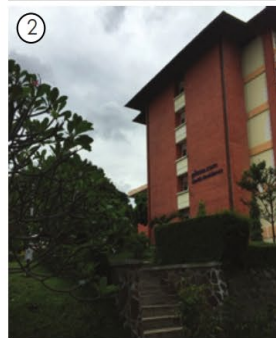
Asia Pacific Award showcasing the pioneer of green building in the region.



M. Danisworo

# ANALISA TAPAK

Kondisi Eksisting



STO Telkom



Masjid (lama)



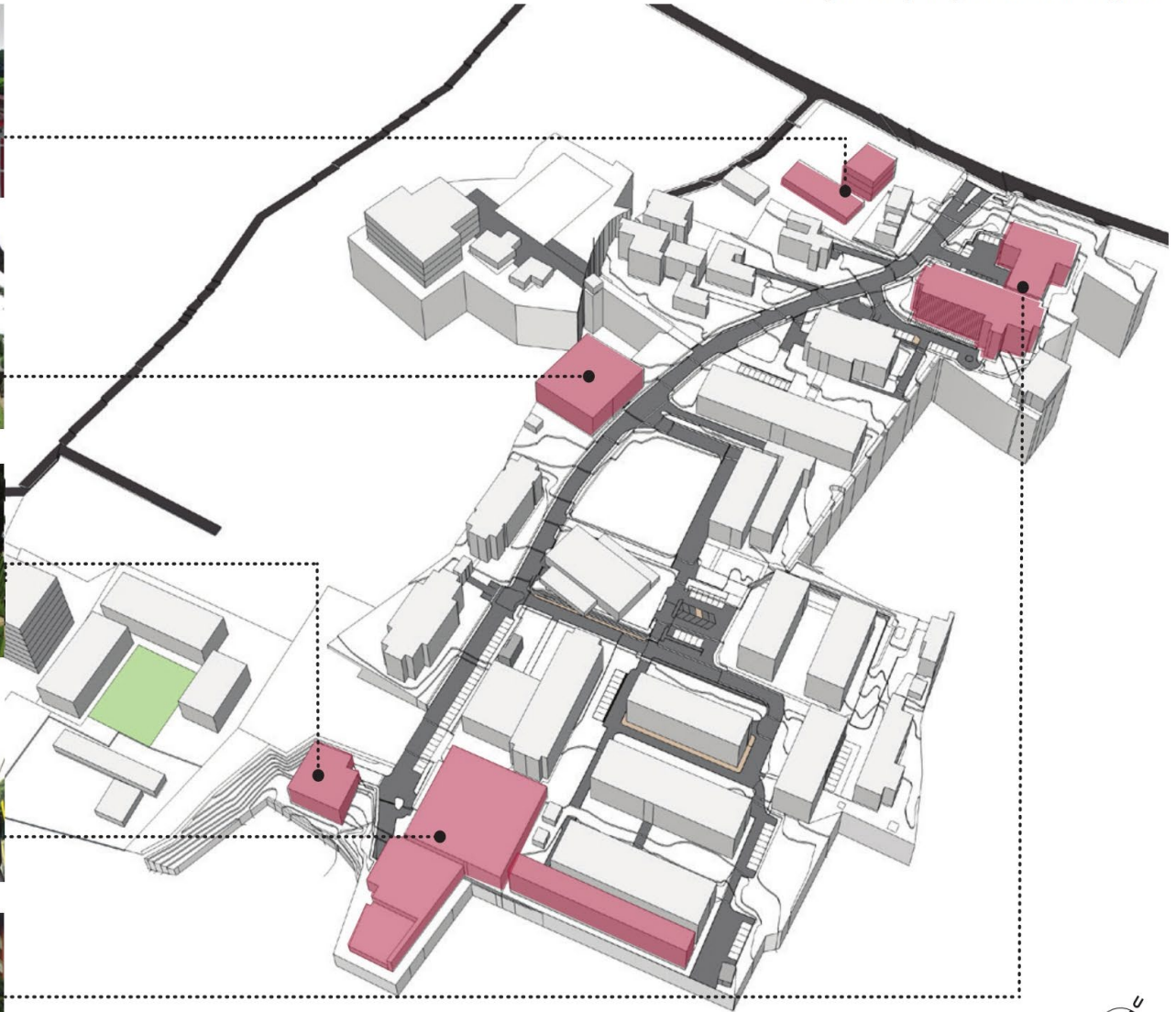
Gedung Lapangan Tembak



GOR



Wisma Widyaloka I

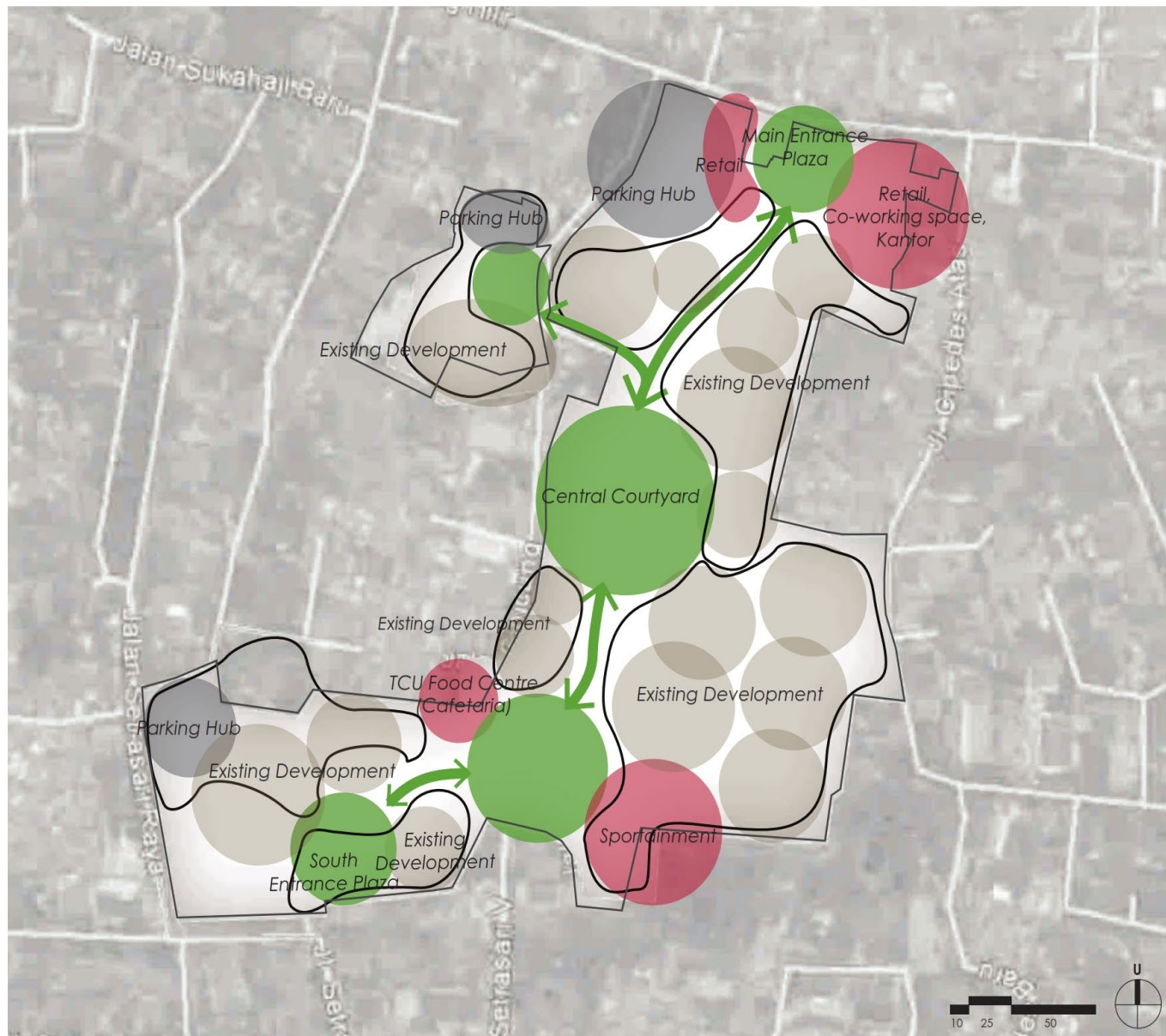


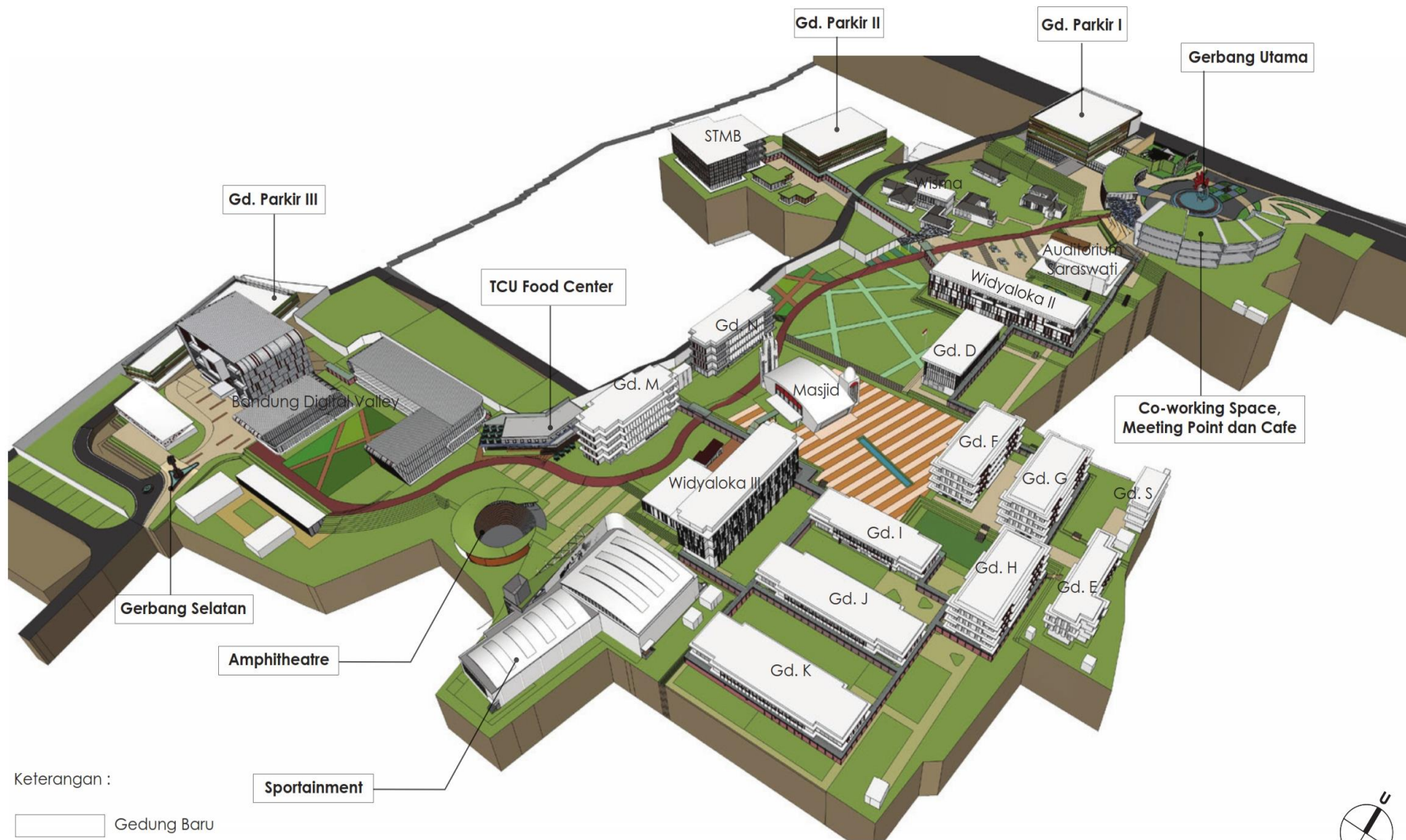
## KONSEP DESAIN

### TCU Boulevard

Pada konsep ini, kawasan Telkom Corporate University akan diusulkan sebagai kawasan yang bersahabat dengan pejalan kaki, dengan merevitalisasi jalan-jalan eksisting menjadi area pejalan kaki.

Kantong parkir disediakan untuk mengakomodir kendaraan bermotor di area utara dan selatan. Area depan kawasan direvitalisasi dengan membuka plaza dan program baru berupa komersial dan hotel.

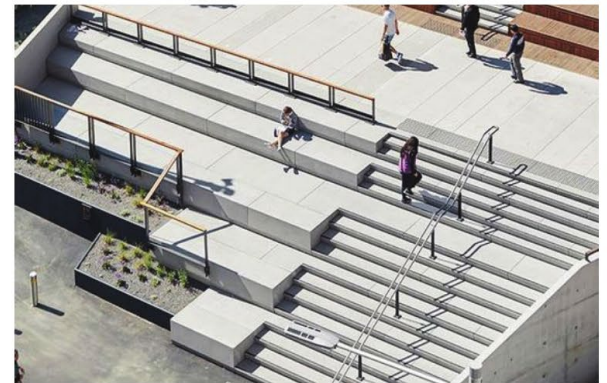


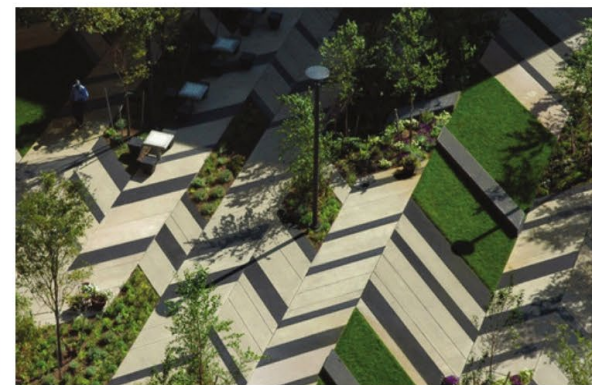
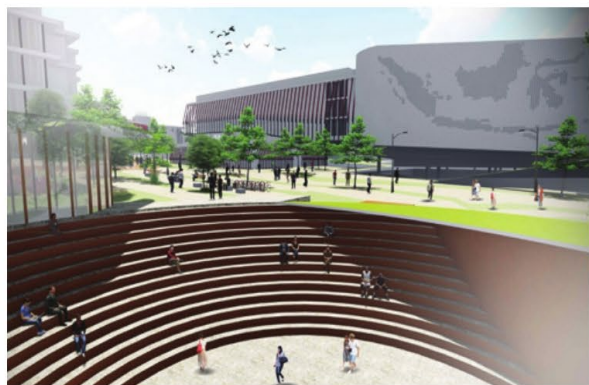


Keterangan :

Gedung Baru











ANTARA/WUHYU PUTRO

**KALIJODO KINI:** Pembangunan ruang publik terpedu ramah anak (RPTRA) dan ruang terbuka hijau (RTH) Kalijodo di Jakarta difoto dari udara, kemarin. Pembangunan RPTRA dan RTH di bekas lokasi yang memiliki sejumlah fasilitas seperti skatepark, wahana BMX, dan lapangan futsal itu ditargetkan akan diresmikan pada akhir 2016.













**Thank You**