

Pursuing Harmonious and Sustainable Development



Deputy Governor of Jakarta for Spatial Planning and Environment

The 12th Plenary Meeting of the ANMC21

What Do We Think When We Plan A City?



We need to ensure that our present needs can be met without compromising the needs and choices of future generation

Sustainable planning creates a better environment for living, working and playing, today and tomorrow

Jakarta = magnet for people from all over Indonesia



- Intense economic activity
- Rapid infrastructure development
- Modern technology and innovation are applied

Jakarta is continuously perceived as a promising land , a city of hope, for people from all over Indonesia to have a better life, thus, massive urbanization occurs

Imbalance of environmental & carrying capacity of Jakarta with its population growth

Description of Jakarta



- Jakarta area: Land: 661.52 km²
 Sea: 6.977 km²
- Population:
 - 12 million (day)
 - 9.7 million (night) yang parah dari hujan lokal dan su
 - With its surrounding area, form a metropolitan area populated by \pm 27 million people

Sejak 2007. terjadi banjir dar

- 40% of north Jakarta area is lowland, below mean sea level
- A Delta City (traversed by 13 rivers which the upstream are outside Jakarta, and estuary in the Jakarta Bay), similar to other world delta cities e.g Rotterdam, Tokyo, New York, London, Shanghai, Hongkong, Melbourne, Toronto

Problems



Towards Livable Jakarta



Our Target for the year 2030



Population number 12,5 million



Economic Growth 7-8% per year



Green Open Space 30% of the whole city



Water Body Ratio 5% of the whole city





60% trip using public transport 🕌



Road Average speed of minimum 35 km/hour





Priority Programs

- 1. Transportation: MRT, BRT and Transit Oriented Development Area
- 2.Low Cost Housing
- 3.Solid Waste and Waste Water Management
- **4.Green Building**
- 5.Flood Management
- 6.Developing North Jakarta



PANTURA JAKARTA

On going plan of the new reclaimed area of some 5000 Ha in the Jakarta Bay, to be developed by mutual cooperation between the Government, Private Sector and Community

Basic Principle for Pantura:

- Eco2 City
- Waterfront City
- Self-Sufficient City
- Resilient City
- Zero-Waste City
- Green Infrastructure
- Green Design
- Green Building



Jakarta Bus Rapid Transit



- Total BRT plan for year 2015: 15 corridors
- Currently 12 corridors are operated (134 km)
- Passenger demand for 2012 (11 corridors) : ± 114 million pax
- Construction is carried out by DKI Jakarta Government, acting as the operator: DKI Jakarta Government through its Public Service Body TransJakarta
- Currently more than 95% buses using sustainable friendly energy (gas)

Jakarta Mass Rapid Transit



Example of TOD (Transit Oriented Development) Concept: Benhil Station



Low Cost Housing

± 120.000 USD is allocated in the FY 2013 for turning the slum area into a - well designed, convenient, integrated with amenities – low cost housing area in total 59 locations











On-going Plan of combining Subsidized Apartment and Traditional Market: It adopts the efficiency of land usage by placing mixed facilities in one building

Reduce unnecessary trip by automobile!

Floor 1 - 2 : Traditional Market Foor 3 – 4 : Public Facilities Floor 5 – 19 : Subsidized Apartment









Solid Waste and Waste Water Management

SOLID WASTE MANAGEMENT

- Encourage Environmental Friendly Solid Waste Management using high and efficient technology
- Currently around 6000 tonnes waste per day is delivered to Bantar Gebang Final Disposal Site (Outside Jakarta)
- On going plan: to build 3 Intermediate Treatment Facility (ITF) in the City (Sunter, Marunda, Cakung)
- Encourage waste segregation to reduce waste in the Final Disposal Site



WASTE WATER MANAGEMENT

- Currently only 4% of Jakarta served by sewerage system, and the rest by desludging septic tank
- Gradually expanding sewerage system for waste water for all Jakarta and separate them from the drainage system
- Utilize waste water into an alternative clean water resource



Green Building

- Governor decree about Green Building has been inssued to encourage all the building in Jakarta to incorporate the Green Building Concept
- As a first step, the Government has finished renovating the City Hall and promoted it as a green building pilot project



Flood Management



Challenges that inspires the Development of North Coast Jakarta



Development of North Coast Jakarta

 New reclaimed land of some 5000 Ha in the Jakarta Bay
National Capital Integrated

Coastal Defence (NCICD)

to be developed by mutual cooperation between the Government, Private Sector and Community

New Reclamation Area





Basic Principle: •Eco2 City •Waterfront City •Self-Sufficient City •Resilient City •Zero-Waste City •Green Infrastructure •Green Design • Green Building

Building Giant Sea Wall In Conjunction with the Reclamation area



Land reclamation: **3.150 ha** Residents : **1.800.000** Daily working : **2.650.000** Buildable : **45%** Real estate footprint FS Total sqm : **14.170.000 m2**

: +/- 3,9 : +/- 55.000.000 m2



Thank You