

Introduction

URBAN RESILIENCE is the capacity of individuals, communities, institutions, businesses, and system within a city to survive, adapt, and grow no matter what kinds of chronic stresses and acute shocks they experience (Rodin, 2015).





City of Semarang Background

build a Resilient Semarang

2009 **Joint in ACCCRN Program** • City Team Establishment (1st version) – 2009- 2010 • The city team consist of coordination and technical team of climate change resilience : city government and Private Semarang already aware about city resilience related to Climate 2011 City Team (2nd Version) - 2011-2013 Expand city team member: city government, university, NGO, but Private sectors did not engaged 2013 Semarang Applied to 100RC Program & Selected as the 1st City in Indonesia to join 100RC Program 2014 Launched the 100RC Program in Semarang City Team (3rd version)- 2014-2016 Need to expand and newcomers 2015 Phase 1 and Establishment of Resilient Team Need to expand more comprehensive stakeholder participation to

City Resilience Framework

The 100 RC started with the development of resilience strategy by applying the comprehensive "city resilience framework" approach. The approach is based on four important dimensions in the city systems, wich included:

- 1. Health and Welbeing
- 2. Economy and Society
- 3. Environment & Infrastructure
- 4. Leadership & Strategy





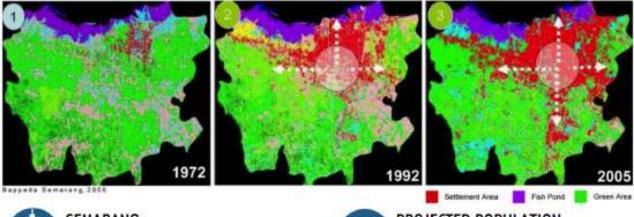
Principles of Resilience Qualities

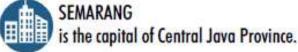
Reflective	Resourceful	Robust	Redundant	Flexible	Inclusive	Integrated
Ability to Learn	And Act	conceiving systems & assets that can withstand shocks & stresses as well as using alternative strategies to facilitate rapid recovery		planned to take account of city-wide needs and promote coordinated actions		

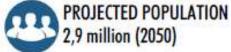


City of Semarang

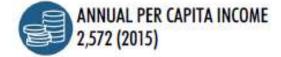


















Shocks and Stresses



Only 56% of population served by water pipes. Limited provision causes water scarcity.



Tidal flooding on lower Semarang coast.



Higher unemployment rate compared to provincial and national level.



More private vehicles, creating congestion.



River pollution affecting Semarang's water sources.



Land slides in upper Semarang and hilly areas.



One of Indonesian cities with the highest incident rate of dengue fever outbreak.



Excessive ground water use and intensive development causing land subsidence.



Power outage.



Flash flood from upstream areas.



Inclusive Resilient City

Security

Mobility

Capacity

Theme

"How can our urban system be able to meet basic needs, ensure social economic security and prepare for disaster and diseases?"

"How do we provide Semarangs with good accessibility and connectivity for Better. Well-being?"

How do we promote inclusiveness in development process by strengthening the capacity of stakeholders?"

Focus area 1.1: Basic needs Focus area 1.2 : Social economics Focus area 1.3 : Disaster & diseases

Focus area 2: mobility

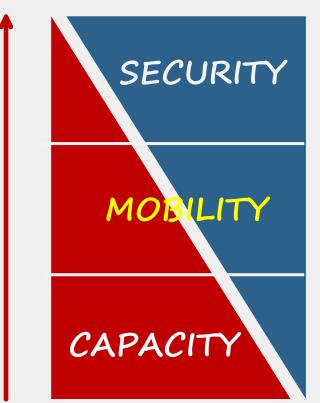
Focus area 3: capacity

Focus areas



Function Vs Perceived Problem

PERCEIVED PROBLEMS



FUNCTION



The three themes link to and support each other From the perceived problems side, security who deals with main shocks and stresses are the biggest theme However, from function perspective, the capacity (which rarely mentioned) related to every shocks and stresses and will be the base in strengthening Semarang resilience

Sustainable Water and Energy

- Enhancing the performance of basic water management
- Promoting innovations in water provision
- 3. Promoting environmentally friendly behaviors

New Economic Opportunities

- Promoting entrepreneurship to increase the competitiveness of trade and services
- Developing environmentallyfriendly and socially oriented innovative businesses
- 3. Strengthening multi-stakeholder (academic, business, community, government) partnership to create job opportunities

Preparedness for Disaster and Disease Outbreaks

- Developing technology for disaster and disease management
- 2. Enhancing the capacity of stakeholders in disaster and disease management
- 3. Improving coordination in disaster risk reduction







8 Initiatives

11 Initiatives

7 Initiatives



City Resilient Strategy







PILLARS

STRATEGIES

NITIATIVES

Integrated Mobility

- 1. Encouraging a change in behavior from using private vehicles to public transport
- 2. Improving coordination and institutional management of public transport
- 3. Integrating transportation planning

Transparent Public Information and Governance

- 1. Optimizing Musrenbang (development planning forum) in the planning process
- 2. Improving the integration of planning and city. budgeting
- 3. Optimizing the government's coordination of data integration and public information

Competitive Human Resources

- 1. Preparing the workforce for the current job market
- 2. Promoting the value of pursuing higher education qualifications
- 3. Improving nonformal education

9 Initiatives

5 Initiatives

13 Initiatives



THANK YOU

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