

# Water Supply in Indonesia towards SDG

Presented by  
Rudie Kusmayadi, Chair of PERPAMSI  
in International Forum at JWWA General Assembly  
and Conference 2015  
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## Location of Indonesia



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## Current Portrait



- Access to Safe Water ↑ (67,7%)
- Healthy PDAM ↑ (50%)
- Idle Capacity ↓ (45.452 liter/detik)
- Non Revenue Water (NRW) ↓ (33%)



- Access to Safe Sanitation ↑ (59,71%)
- TPA controlled/sanitary landfill ↑ (15 TPA)
- Safe treated Sludge ↑ (4%)
- Open Defecation ↓ (13%)
- Littering (Solid Waste) ↓ (21%)
- Leaking Septic Tank ↓ (>90%)

**Availability  
Sustainability  
Affordability**

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## NATIONAL TARGETS RELATED IMPROVEMENT TO WATER SECURITY

Management and conservation of the rivers, dams, and other water reservoir facilities

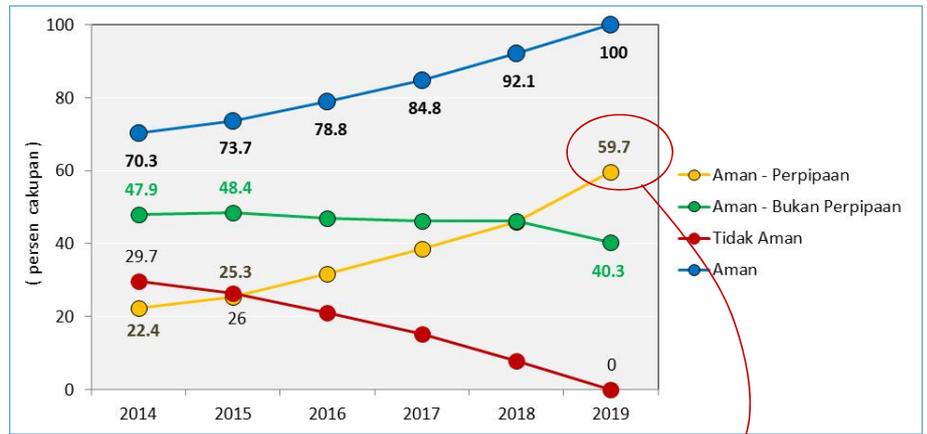


GOAL	INDICATOR	TARGET				
		2015	2016	2017	2018	2019
 <p><b>Water sources and reservoirs to be developed, built and improved</b></p> 	Preparation to build dams and other water reservoir facilities	100 %	100 %	100 %	100 %	100 %
	Area of land acquisition	1.994	5.726	11.076	11.888	5.887
	Number of reservoirs and facilities	27 dams: 6 completed and 21 on going (11 new)	29 dams: 2 completed and 27 on going (8 new)	37 dams: 6 completed and 31 on going (10 new)	41 dams: 6 completed and 35 on going (10 new)	45 dams: 14 completed and 31 on going (10 new)
	Number of reservoirs and other facilities to be built	299	124	233	216	216

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# 100% Access to Safe Water Supply

( by Water Supply Utilities )

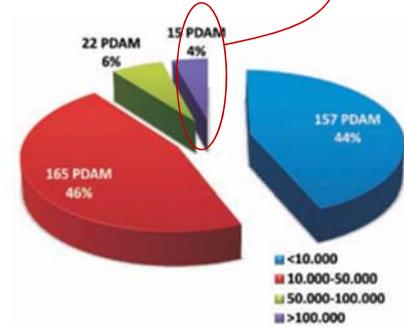


Sumber: Kementerian PUPR 2015

Out of 383 PDAMs **only 15 PDAMs** have customer more than 100.000.

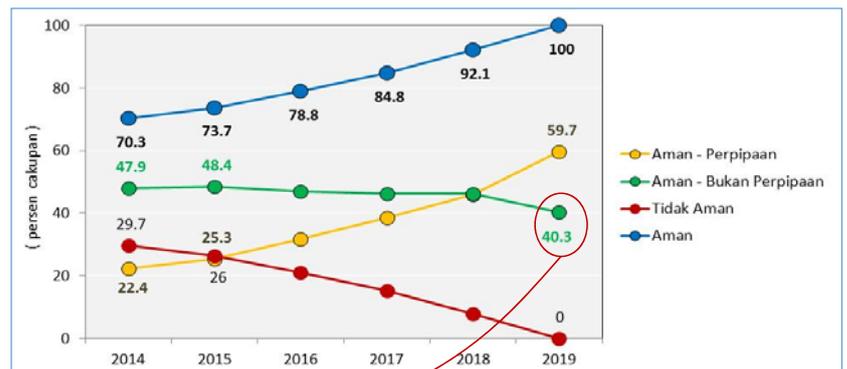
Enormous efforts are needed

PDAMs together with Local Governments must step out of its "comfort and safe zone"



Sumber data : BPPSPAM, Tahun 2014

# 100% Access to Safe Water Supply (Community Base)



Number of villages and Facility Management Agency by Community Base Water Supply.



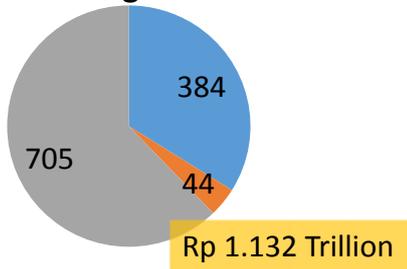
Out of 72.944 villages, only 7.474 villages have been intervened and supported to establish community based organization to manage local water supply services.

Enormous efforts are needed

Local governments **must start** to manage its water and sanitation community based program

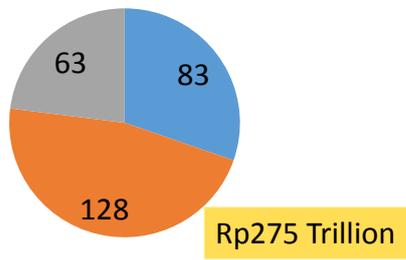
# Budget Share

## Housing



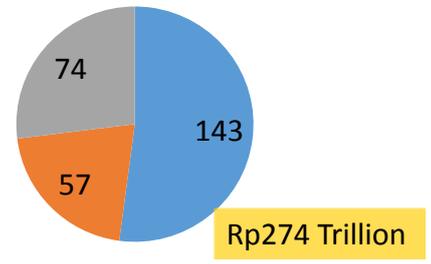
■ Government budget ■ Local Government  
■ Private & Utilities

## Water



■ Government budget ■ Local Government  
■ Private & Utilities

## Sanitation



■ Government budget ■ Local Government  
■ Private & Utilities



**8x**  
Total investment of  
2010-2014



**3x**  
Total investment of  
2010-2014



**4x**  
Total investment of  
2010-2014<sup>7</sup>

## POLICY & STRATEGY (NATIONAL MEDIUM TERM DEVELOPMENT PLAN 2015-2019)

### Improved access for low income households on adequate and sustainable housing



- Improving the role of government and local governments in facilitating the development process
- Improving sector management and the coordination among stakeholders
- Improving the role of State Owned Enterprise (BUMN)
- Improving the efficacy and efficiency of land management
- Application of safe and affordable housing material, supported with applied technology
- Development and implementation of incremental house

### Water and sanitation universal access by 2019



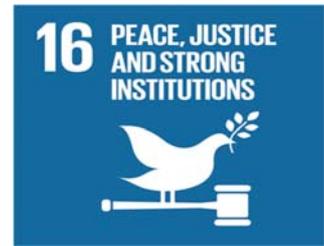
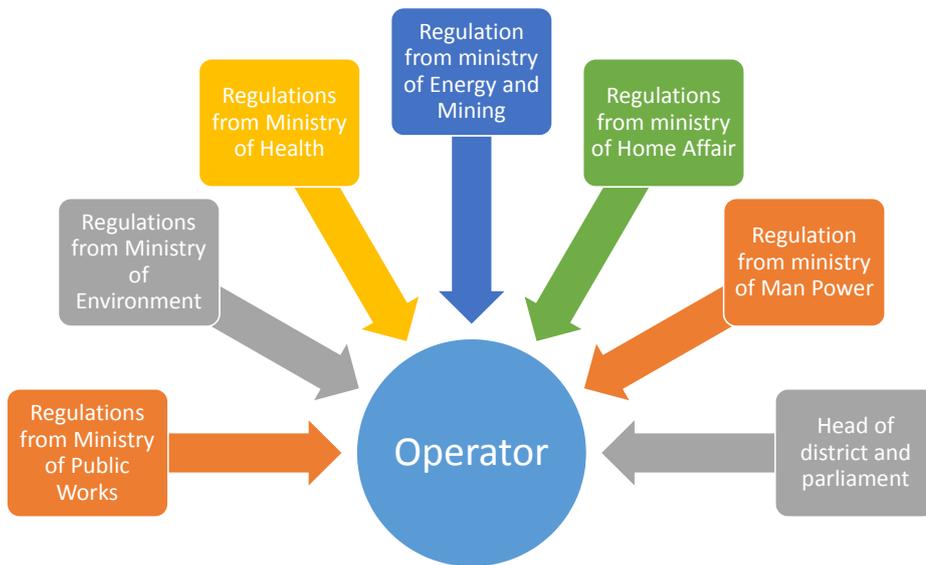
- Optimization of Domestic Water balance
- Provision of productive Infrastructure
- Water and sanitation synergy
- Improving the efficacy and efficiency development financing

### CITY WITHOUT SLUMS



### WATER AND SANITATION UNIVERSAL ACCESS

# Challenges



- Operators have to subscribe to many (conflicting) regulations
- Local governments are regarded as the regulator
- On regulatory body at the national level

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## Way forward related to water operators

1. Formulation of national policy on the role of regulator, operator and control in water and sanitation services
2. Establishment of regulatory body at the national level
3. Possibility to merge PDAMs (minimum number of customers?)
4. Acceleration of procurement process to keep up with the pace of development in the field



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