# **Indonesia 2013 Report (Water Supply Management)**

#### **Outcome Indicators**

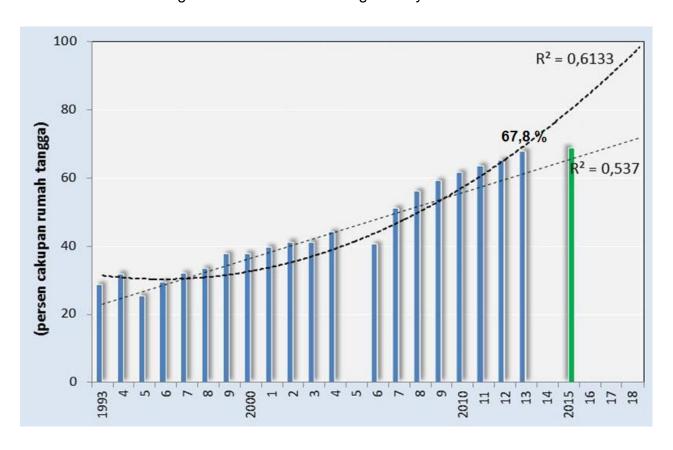
IWRM Issue 1 - Water Supply Management (34 indicators)			
Indicator	Indicators	Progress	Description
Types			
Outcome	Percentage of population having	18.6 %	See Note 1
Indicators	access to piped drinking water		
	Percentage of water delivered to	67.8 %	See Note 2
	customer meeting WHO guidelines		
	for drinking water quality		
	3. Average hour of water supplied/day	18 hour	
	Per capita domestic water	-	
	consumption		
	5. Percentage of water supply metered	18.6 %	
	6. Percentage of UFW/NRW	32.86 %	

Note 1 - Network System of Piping



**Source:** ASEAN Working Group for Water Resources Management (AWGWRM) – April 2015 [weblink - <u>aseaniwrm.water.gov.my</u>]

Note 2 - Trend coverage access for safe drinking water years 2010



## **Enabling Environment Indicators**

EE Indicators	Any "Policy" on water supply management	Yes (8)
	Any "Legislation/Regulations" on water supply distribution management	Yes (8)
	Any "Legislation/Regulations" on water supply quality management	Yes (8)
	Any "Legislation/Regulations" on water conservation management	Yes (8)
	<ol><li>Any "Financial framework and Financing plans" for development of water supply</li></ol>	Yes (8)
	6. Any "Operator business plan" (Annual Budget, Manpower resource plan, etc.)	Yes (8)

**Source:** ASEAN Working Group for Water Resources Management (AWGWRM) – April 2015 [weblink - <u>aseaniwrm.water.gov.my</u>]

## **Institutional Set-up Indicators**

IS	Any water supply planning and	Yes (8)
Indicators	policy department	
	2. Any water supply quality office,	Yes (8)
	water testing lab, water sampling	
	team	
	3. Any water supply operation centre	Yes (8)
	4. Any water conservation unit	
	5. Any water meter management unit	Yes (8)
	6. Any customer account/meter	
	reading/billing unit	
	7. Any water meter workshop	Yes (8)
	Any water leak detection unit	
	9. Any 24-hr water supply call centre	Yes (8)
	10. Any water supply network	
	maintenance unit	
	11. Any water supply meter	Yes (8)
	management unit	
	12. Any water supply EMI unit	Yes (8)

# **Management Tools Indicators**

MT Indicators	Any short and long term water demand projection and infrastructure development plan	Yes (8)
	<ol> <li>Any water safety plan – e.g. water sampling programme, water testing lab, real time monitoring of water quality at water treatment plants and service reservoirs</li> </ol>	Yes (8)
	<ol> <li>Any water supply pressure monitoring system – e.g. pressure sensor/ monitoring in network, flow and level monitoring at service reservoirs, waterworks outputs</li> </ol>	Yes (8)
	<ol> <li>Any water conservation plan – e.g. water saving measures, public education programme</li> </ol>	Yes (8)
	<ol> <li>Any water supply meter installation plan – e.g. all new premises must be metered</li> </ol>	Yes (8)

**Source:** ASEAN Working Group for Water Resources Management (AWGWRM) – April 2015 [weblink - <u>aseaniwrm.water.gov.my</u>]

6.	Any monitoring of water treatment plant output meters – e.g. all are metered and the meters are checked periodically	Yes (8)	
7.	Any water meter management system – e.g. comply with ISO/EU standard, error check system, meter replacement programme, meter repair and testing facilities	Yes (8)	
8.	Any water supply network record /mapping system, network asset management and pipeline replacement/ renewal programme	Yes (8)	
9.	Any water supply leak detection programme	Yes (8)	
10	Any 24-hour Call Centre and Operation Centre for feedback on leak and deployment of crew for repair	Yes (8)	