



# **Presentation on Sustainable Water Management in North Jakarta Mayor, Indonesia**

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NORTH JAKARTA MAYOR



# Problem Identification

## Population density

- Over population makes everything becoming more difficult to be accomplished
- North Jakarta population is **1.706.281** and Jakarta population entirely in 2018 is **10.467.600**

## Conflict of interest

- Conflict between Jakarta Government and Privatization of water supply happened

Inability of water supply infrastructure to fulfill the growing demand and reduce pollution around rivers

- Lack of technology so that clean water supply
- Requiring wastewater treatment plan as a solutions

There's no appropriate technology to support rivers across Jakarta

The causes are household waste and chemical waste of firms

**One of the  
Main Problem  
of water  
management  
in North  
Jakarta that  
is affected by  
Population  
density**



(Ancol Area)



Behind of Kamal Muara Urban Village office

Land subsidence which are due to pupolation density and usage of groundwater excessively

# Conflict between Jakarta Government and Privatization

In 2012, the coalition of Jakarta residents opposing water privatization because of the failure to serve the people in the city

In the end of 2018 The Jakarta government was planning to terminate the contract with privatization of water supply

Water Utilities	Avg. tariffs	Leakage	coverage
Jakarta	RP. 7.800	44%	59%
Surabaya	Rp. 2.800	34%	87%
Palembang	Rp. 3.800	30%	93%
Banjarmasin	Rp. 4.120	26%	98%
Medan	RP. 2.226	24%	66%
Malang	Rp. 4000	30%	80%

Source : (Indonesia drinking water Association (Perpamsi)2013, Ministry of Public Works 2013)

the privatization of company of water supply ignored the Jakarta government policy in order to take over supply water

What problem is actually happening between Jakarta residents coalition, Privatization of water supply, and Jakarta government ?

The story behind privatization is regarding suharto's son and Salim Group.

Inability of water  
Supply infrastructure  
to fulfill the growing  
demand

More coastal areas of  
Jakarta require  
**wastewater treatment  
plan** – in order to  
overcome environmental  
problem (especially  
rivers) and healthy  
people

impacted to crisis of a  
potable and clean  
water still occurring  
regions in Jakarta –  
Kamal urban Villages as  
a sample that still  
depend on  
“privatization of supply  
water and groundwater

Regarding this case, Lembaga Ilmu Pengetahuan Indonesia (Indonesia Institute of Knowledge had ever offered two solutions in order to carry out the problem, *first integrated floating wetland* and *second Nanobubble technology*.

# How to terminate the problem



There are two Local regulations concerned with the problem :

1. Number of 17/2010 about Tax of groundwater
2. Governor's decision 279/2018 about control of groundwater

the decisions are still inefficient

The giant sea wall project to overcome problem of intrusion

Now, the Jakarta City Administration is planning ;

The Jakarta Government is planning to join with Japan in order to terminate the land subsidence in Northern Jakarta.

In order to support both planning from Japan and Giant sea wall project to terminate the problem, Jakarta City Administration must also make regulations to prohibit neither people nor firms to use groundwater

(solution through regulation)

**Thank You**

