

Water Challenges in Jabodetabek Area, Indonesia

Firdaus Ali

Email: firdausali@ymail.com

Abstract

Jakarta, Bogor, Depok, Tangerang, and Bekasi commonly abbreviated as Jabodetabek area is the most congested and growing rapidly in Indonesia. With a total population has reached nearly 26.8 million while the resources do not have sufficient, the region continues to experience enormous challenges and serious issues related to water resources management. Flooding, scarcity of raw water, high Non-Revenue Water/NRW (>40%), lack of piped water service coverage (<50%), and lack of urban sanitation services (<4%) is a line of urban problems that needs to be addressed rapidly and smartly by the government of Indonesia with Jabodetabek local authorities. Several initiatives have been undertaken by the government (both Central Government and Jakarta Provincial Government) to ensure the Jabodetabek area can solve the complexity of issues related to the urban water management. Some approaches to solve the problems ranging from plan to build several multi-function dams, development of some alternatives to increase of raw water supply, reducing of NRW, and development of Jabodetabek water balance are being pursue by the governments and related stakeholders.

Keywords

Non-Revenue Water; Urban Water Management; Water Scarcity