STUDY OF WATER TREATMENT INSTALLATION PERFORMANCE FOR PDAM in SURABAYA
(CASE STUDY: PDAM NGAGEL II SURABAYA)

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Abstract

PDAM Ngagel II is one the water supplier in Surabaya. The water should filled the standard regulation, with many parameters. Development of Surabaya coming under fast, that make some characteristic of water quality changes. The parameter of the water quality wasn’t fill the standard regulation which was established in Government regulation, that the organic matter and turbidity rose when the rainy season.

Processing drinking water system in PDAM Ngagel II Surabaya designed by F.A Degremount (France) and started to operated from 1959 with capacity 1000 liters/second. The water took from Surabaya river, with the gravity system and passed by canals and the sedimentation.

The increased performance and the performance effectiveness amelioration with optimisation treatment of PDAM Ngagel II, Surabaya needs some act with some evaluation and make some alternative that could be do. Act of determining alternative would be observed from technically side. The alternative tried to increase the performance for PDAM Ngagel II

Key words: PDAM Ngagel II, Performance Instalation, Water, Water Production