PENGEMBANGAN SISTEM PELAYANAN AIR BERSIH MODUL SUMUR DALAM DI PURWOYOSO, KOTA SEMARANG

TESIS

Disusun Dalam Rangka Memenuhi Persyaratan
Program Studi Magister Teknik Pembangunan Kota

Oleh :

AGUS PRIAMBODO UTOMO
L4D002097

PROGRAM PASCA SARJANA
MAGISTER TEKNIK PEMBANGUNAN KOTA
UNIVERSITAS DIPONEGORO
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ABSTRACT

Kelurahan Purwoyoso located in Ngalian District, Semarang City, is representing impecunious areas and the poor of clear water, especially during the dry season. The area is heavy populated in west region of Semarang and still have not been served clear water by PDAM Semarang yet. To fulfill the clear water some people were exploiting the shallow well and getting from the near river that became dry and odor during dry season. The others bought it by PDAM's or private mobile tank, that more expensive relatively. These conditions resulted the areas so easy to get endemic illness that caused by water diseases and decreasing quality of the seriously environmental sanitation.

The Water Supply System of Deep Well Module in Purwoyoso funded by Oil Subsidy Reduction Compensation Programmed For Water Supply aid in 2001 Fiscal Year in RW XII. The system has serving 242 Unit of House Connection with monthly tariff is about Rp 500,-/M^3. Even though the income tariff able to cover the operational and maintenance cost that monthly spent, it is not reached the Cost Recovery and Full Capacity yet that according to analysis result, able to improved by 330 Unit of House Connection. In order to select the potential customers and supporting the development system, the research was held in RW XII Purwoyoso that covers the system and economic socialize research.

The development of system is hoped to obtain full capacity condition therefore it can cover Cost Recovery by concerning the customer payment ability and to realize a more social fairly development.

Based on the analyzing that includes: social economy, development of the system and economic analyze (operational and maintenance, ability to pay, cost recovery, effectiveness and efficiency and the others), it can be conclude that the development of this system was held by optimizing the customers number to 88 Unit of House Connection. This condition can obtain Full Capacity and Cost Recovery.

The new tariff that will be charged are ; Rp 500,-/M^3 for 162 Unit of House Connection for the customers with the low income, Rp 840,-/M^3 for 152 Unit of House Connection and Rp1.110,-/M^3 for 16 Unit of House Connection for the customers with the middle and high income. So that the revenue based on this new tariff can be used for covering all of spent annual cost of operation and maintenance, including depreciation costs.