LEAKAGE REDUCTION STRATEGY IN DISTRIBUTION DRINKING WATER SYSTEMS OF TERNATE CITY
( Case Study of PDAM Ternate City)

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ABSTRACT

Drinking water Service of PDAM Ternate City up to the end of the year 2008 was 49.32%, and distribution system technical leakage was 35.72%. In this research will be compiled strategy of leakage reduction of distribution system by technical aspect, financial aspect, and institution aspect analysis.

Method used in strategy compilation is descriptive method of the case study. Requirement data (Real Demand Survey) obtained by spreading questioner with stratified random sampling method. Existing condition of drinking water distribution system obtained from PDAM of Ternate city and some institutions related to this research.

Analysis result of technical aspect, financial aspect, and institution aspect suggesting the following strategy; (1) healthy technical aid program of PDAM, macro plan of development SPAM, and aid program the make of membership area drinking water from good government from center, provinsi, and also town, through activity executed in short range, long range and middle meter, with the activity priority is forming of service zona. (2) expense requiring for the making of this service zona equal to Rp. 18.539.070.000,- coming from central government aid, provinsi and town government. (3) Make of human resource of drinking water area, technical good and also administration of through technical training of area drinking water utilize to support the service and also operational and conservancy.

Keyword : strategy, technical leakage, zoning, drinking water distribution.
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