EVALUATION OF WATER LOSS EFFORTS OF PREVENTION REGIONAL DRINKING WATER COMPANY (PDAM) IN KLATEN DISTRICT

By: Suyana
Student Identity Number: 3311202813
Supervisor: Pof. Ir. Wahyono Hadi, MSc.PhD

ABSTRACT

The high rate of water loss in Company of drinking water area Klaten regency, especially in 3 units due to loss of water service to more than 30%, thus becoming one of the main causes of the poor performance of the Regional Water Codman PDAM, losses incurred economic losses and declining public confidence, for water services to be less well, also an obstacle to improving the wider service coverage, such as the MDG targets, hence the need for an evaluation to determine the cause of the problems and the loss of water, so as to obtain the proper methods of handling and efficient, in terms of technical aspects, financial aspects and institutional aspects.

Evaluation method used is descriptive analysis. evaluation step includes calculating water loss, analyze the cause of the leak, detect leaks and perform preventive efforts by improving the leaky pipeline. financing aspects of the analysis using analytical methods Benefit Cost Ratio (BCR) and Cost Effectiveness Analysis (CEA). for analysis using the institutional aspect ratio of the number of employees and analysis of Human Resources (HR).

Based on the analysis, PDAM water losses in Klaten regency reached 27.72%, used to control water loss methods Active Leakage control (ALC). Analysis of Benefit Cost Ratio (BCR) is feasible, and from analysis Cost Effectiveness Analysis (CEA) in an effort to decrease water loss is still effective. of institutional analysis, the number of employees is less in Company of drinking water area Klaten regency 41 people, still an imbalance between technical and non-technical personnel. With a low rate of water loss, the development of Klaten taps will be more healthy and independent.

Keywords: Evaluation, water loss, Efforts of prevention