ABSTRACT

FAERUZY ARNANDI. ***STUDY OF CLEAN WATER MANAGEMENT IN THE INDUSTRIAL ZONE DISTRICT JABABEKA KABUPATEN BEKASI.*** Pembimbing DRA. HENITA RAHMAYANTI, M.SI dan DR. GINA BACHTIAR, MT.

This study aims to determine how the management of clean water are ideal to meet the satisfaction of customers (industrial and residential) area of Jababeka industry. The research was conducted in Jababeka Industrial Estate on WTP (Water Treatment Plant I and II from May to July 2011. In this study using qualitative descriptive methods, the population is all clean water customers (industrial and residential) in the Industrial Area Jababeka Year. While the number of samples is 10 industrial customers and 33 residential customers with a sampling technique using a simple random sampling.

Instruments were used questionnaires, interviews and observations to capture data about the quality and quantity of water at the WTP and the opinion of customers about clean water in the Jababeka Industrial Estate. Main parameters measured were pH levels and turbidity contained in the processing and distribution pipelines in the WTP. The spread of housing questionnaire conducted per zone customers to see the level of water usage customers. The spread of industry questionnaires conducted in the Region Jababeka Industrial Estate (KIJ) I. Observation of the quality and quantity of clean water at the WTP conducted for 8 days with the observation time ranging from 8:30 to 14:30 pm.

The study found that there is a deficiency when compared with water quality standards established in the Jababeka Industrial Estate with the actual reality. Because of research, concluded that in terms of quality, the percentage of residential customers stating that the resulting water quality is good. However, to meet clean water area of industrial customers, based on the percentage of shows that water quality is still not meeting the needs and customer satisfaction. While in terms of quantity, compliance with clean water to the area residential customers still do not meet customer satisfaction, discharge water produced remains to be improved. However, for the fulfillment of the quantity of water in the industrial area was due to meet customer satisfaction survey results and identification of management showed quite a good quantity of clean water. After identification of the management, the frequency comparison results show, for the installation of water treatment does not decrease the quality (increased turbidity and pH) and quantity (volume and discharge of water). The decline occurred in the pipe distribution, both the quality and quantity. To minimize the decline, need to be watchful eye on the time of flushing