

STUDY ON "SEWAGE SYSTEM" IN HOTEL CITRA DAGEN YOGYAKARTA

by
Prima Widi Atmoko
NIM. 07510134039

Abstract

Hotel Citra Dagen Yogyakarta is located in tourist areas Malioboro and densely, of course, have to use the waste water disposal system which meets the requirements of the hotel needs. Evaluation of sewage system in the building aims to determine what system is used in hotel waste water disposal, the amount of components and capacity in the sanitary.

Analysis of sewage system has several phases, namely files collect from image, and field interviews. This analysis is based on the standards related to the waste planning system.

The results obtained of analysis of waste water disposal system use two pipe system installation. The analysis for vertical pipe sewage greatest results obtained $\varnothing 2''$ on the needs of 720 liters/minute, and the pipe upright in field $\varnothing 4''$ to the needs of 15000 liters/minute. So for a pipe dirty water used is safe and meets the needs. Vertical pipe on the analysis of waste water obtained results of the largest pipe $\varnothing 2 \frac{1}{2}''$ on the needs of 990 liters/minute, and vertical pipes in the field of used $\varnothing 3''$ to the needs of 1800 liters/minute. So for a vertical pipe waste water used is safe and meets the needs. On the analysis of vertical drainage pipes, the largest pipe obtained $\varnothing 4''$ to the needs of 15000 liters/minute. While the pipe in field in the used pipes $\varnothing 4''$ to kebutuhn 15000 liters/minute. From the analysis of the calculation, showed that the vertical pipe dirty water waste, former waste water, and vertical drainage pipes on Yogyakarta Hotel Citra Dagen already meet the needs of the waste water in the waste that occurs.

Key words: Sewage System, vertical pipe, the Installation System.