

ABSTRACT

Water is a primary need for mankind, it is shown with. From 2000 to 2050 by 55%. Telkom University is an intansi that uses clean air for daily activities. Will Telkom University in South Bandung have a poor quality ground air source. Groundwater that contains elements high enough to cause fresh air brownish and spots on the clothes and can interfere with health, namely toxic to humans through physiological disorders such as liver, kidney, and nerve damage. That uses the interface. And applications. Using PLCs, and Wonderware Intouch applications as face-to-face users with automation systems. PAC, sidementation for the deposition of sewage present in raw water, aeration or process which can reduce the metal content in air, then the filtration process that is obliged to separate solid and colloidal particles with liquid, and finally the process of desinfekta that serves to kill the microorganisms in the air. The results of this research in the field of Telkom Irrigation, using Supervision of Data Supervision and Acquisition (SCADA).

Key word Water treatment, water distribution, SCADA, HMI, dan automation