LIQUID WASTE MONITORING SYSTEM USING A MICROCONTROLLER-BASED WEBSITE

ABSTRACT

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Monitoring of waste is very important. This is done to find out just how dangerous the waste disposal industry on the environment. To set up industrial waste out of government passed Law wastewater quality standards for industrial areas. In monitoring the implementation of the waste industry was still done manually and is often the case of fraud in reporting the data. Therefore we need a tool that can monitor the state of industrial wastes continuously from a distance to facilitate surveillance and reduce fraud.

In this final project, will be designed that waste parameter monitoring system using a pH electrode pH, turbidity using photodiode, use the LM35 temperature and CO gas using the MQ-7. Data from these sensors will be processed microcontroller that will wirelessly transmit data using a GSM modem to receive dikomputer server. Data transmission will be displayed on website. Depends on the provision of data transmission signal used by the provider.

The results of this final project is expected to be used by a particular government agency in monitoring environmental pollution by industrial waste.

Key words: Monitoring, Waste, Microcontroller, Wireless, Website.
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