
Design and Build an IoT Based Prepaid Water Usage Monitoring System and Telegram Notifications

Rancang Bangun Sistem Monitoring Pemakaian Air Prabayar Berbasis IoT dan Notifikasi Telegram

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In the boarding house the use of water for each person is different for each occupant of the boarding house. The increase in water use is not proportional to the increase in water capacity and the equalization of payments for each boarding house is different. Utilization of technology Internet of Things (IoT) and the freechat application Telegram in the application to monitor water usage information for each boarding house occupant. In this study, a water monitoring device was made to monitor information from two different platforms. The server can monitor water usage information for all residents of the boarding house. Telegram provides notification information when the water capacity of boarding houses is approaching empty from each device. Using Arduino and ESP8266 as controllers and wifi connection with the server. With this system, it is easier for the boarding house owner to monitor the water usage of each boarding house occupant.

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