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Telecommunication

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

Agus Priyanto Widyagama Malang University
Sabar Setiawidayat Widyagama Malang University
Faqih Rofii Widyagama University Malang

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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