ABSTRACT

In the current ATM rice control and monitoring system is still done manually, namely by recording with stationery and paper is not even recorded properly, so that the efficiency of the time becomes longer because the process of sending data is done manually. This control and monitoring system will automatically send data taking rice using a NodeMCU microcontroller with a Wi-fi ESP8266 module that will send data to a database that is on firebase, and data that already exists in the database will be displayed on websites and android applications. This rice picking scheduling uses an RFID module and an RTC module in which the RFID module as an identity and the RTC module as a setting in the rice collection schedule have been determined.

Keywords: monitoring, firebase, android, website.