

ABSTRACT

The COVID-19 pandemic has adversely affected all people in the world, resulting in a decrease in a person's activity and productivity which affects his life, especially in the economic field, as a result many of the people are experiencing food difficulties. The government distributes food aid in the form of rice to be distributed.

In this design, the author designs a prototype of a nodeMCU-based rice ATM machine where rice can be taken automatically using the Family Card (KK) number which is used as the main access and the PIN that has been determined as the security.

This design aims to be able to distribute rice donations to the community automatically. This system can have 2 options for the amount of rice taken as much as 500 grams and 1 kilogram accurately. It is hoped that with this system, it can simplify the process of distributing rice aid.

Keywords: *Rice ATM, database, microcontroller*