

ABSTRACT

Along with the development of more advanced, that everything can be done with electronic equipment to encourages people to create new innovations. In the daily life of rice is needed in all people, such as at home, restaurant and agency “Bulog”. Rice would be empty for every day because all the people using rice as an ingredient of food. Therefore, the authors make a device that can monitor the rice.

The purpose of this final project was to create a tool box of rice that can be monitor and automatically remove the rice which is basically a rice box is still circulating in all people do not have the manual or as an indicator of whether the information is up the rice in it or not. in ATmega8535's is utilized as controller in monitoring system of rice box. For the small (household), this is probably not very big impact, but for some quarters as a retail seller of rice, or agency “Bulog”

The results of monitoring rice box has been realized because the rice box have 4.15 of error percentage which in error percentage must under 10 %. This Monitoring system, can help and speed up their work as restaurant and agency Bulog, because in addition to helping monitor the availability of rice, this system also comes with rice expenditure automation system so it can be more efficient work time, because it does not need to measure rice generally requires relatively long time.

Key words:., microcontroller, keypad, Potentiometric pressure sensor, LCD.