

**PENGUNAAN TAG RFID ( *RADIO FREQUENCY IDENTIFICATION* )  
SEBAGAI PENGGANTI KARTU KENDALI UNTUK PENDISTRIBUSIAN  
BERAS MISKIN BERBASIS MIKROKONTROLLER**

*THE USE OF RFID TAGS AS REPLACEMENT CONTROL CARD FOR DISTRIBUTION OF  
"BERAS MISKIN" BASED ON MICROCONTROLLER*

**PROYEK AKHIR**

Telah Disetujui Sebagai Syarat Kelulusan Pendidikan Program Diploma-3 Teknik

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**ABSTRACT**

“Raskin” rice is one of government program to help the poor in fulfilling the necessities of household, especially the rice with low price. But, this rice distribution system is still manual and not effective.

In this final project is made a microcontroller-based tool which can ease the rice distribution system to the recipient. This tool consists of RFID, microcontroller , LCD, and PC which will be placed at the nearest area of the society, such as sub-district. There are some steps in this distribution system. First, the institution at that area inputs the data base, like name, monthly rice quota, and recipient identity into PC . Second, the recipient will get the identity number (as a password) which is used to take out the rice. If the quota has used up, the recipient only can get the quota of a month later.

Results of this project is a device that can remove the rice using RFID tag with a success rate according to the preliminary design.

Key words: RFID, Microcontroller, PC, LCD

## **ABSTRAK**

Beras raskin adalah salah satu program pemerintah untuk membantu masyarakat miskin dan rawan pangan agar tetap mendapatkan beras untuk memenuhi kebutuhan