ABSTRACT

The development of technology and information nowadays has a very significant impact in various aspects. One of them is the data processing system with the emergence of Radio Frequency Identification technology (RFID). Currently, the use of RFID has been widely implemented in everyday life. Medical record application in clinic Telkom university just data collection about medicine and patient.

This final project aims to improve repair card system medicinize from card system medicinize manual to electronic system is a software that serves as an interface between the user with module RFID in the process of writing / reading data to / from RFID tag using C#. All result of medical record will be save in database altought NIM and diagnosis also save in RFID tag (MFI IC S50) using RFID reader writer ACR 120U.

The final project is finished and tested with MOS parameters by doctor and clinic officer ,from the test results is good,maximum distance to read RFID tag is 8cm,and time to read RFID tag is 10 ms (milisecond). the farther the distance it will read the longer time required for reading the RFID tag.From the test result, it can be concluded that this application system is appropriate to be implemented in recording system in clinic Telkom University.

Keyword : medical record,C#.Net,RFID tag,RFID ACR 120U