

ABSTRACT

Identity for most people is a sheet of business cards which substantiate them with a name, a profession and position. In recent years was based on radio frequency identification technology (Radio Frequency Identification) is growing rapidly. This is caused by several things, one of which needs greatly from application to consumers using this technology.

In this final project, designed a system supporting gate, a conveyor that mechatronics design card was able to attract the RFID tags, to be read by a RFID reader. RFID tag serves as a card or entrance ticket to the user. After that, it will be done with database integration between mechanical, so that it becomes the System RFID gate intact. The use of RFID tags, can accelerate mobilization user, for example when compared to other cards that are in usage detection using Imaging.

In implementation, have done some testing. Among them are testing response time, accuracy and reliability of the device. These devices can be expected to use anywhere, for example in motorcycle parking system in IT Telkom. This tool will speed up mobilization motorcycle, either at the entrance, as well as the exit parking lot. So, can be a material consideration for application in the field.

Key word : RFID