

## ABSTRACT

A large number of vehicles currently make the opportunity of repair service business or workshops will be higher. Most car dealers are still doing the identifying process of customer's vehicle manually, which is to match the vehicle registration plates with a data base or a book dealer for further processed, this system is still using a manual system, so that a system which can identify vehicles automatically then displays the data in the application system is proposed.

The title of this final project is Periodic Service Recording System in Vehicle Dealers RFID-Based. To run this last project, as required RFID tags that store information for object identification, RFID reader as a device that is compatible with RFID tags which will communicate wirelessly with the tag, and MySQL as data storage media as well as Borland Delphi as an interface regulator of application programs, so it can focus more into the making of an application program. The system generated an automatic vehicle identification system whereby when RFID tags are read by an RFID device reader, the RFID tag automatically sends the codes that are stored on internal memory of RFID tag and received by the RFID reader equipment. Furthermore, the identity of the object will be processed and displayed on the application. Hopefully, with this application, it can be easier and faster the records and services process in serving customers.

Keywords : *database, RFID reader, Tag RFID, MySQL, Borland Delphi*