# ABSTRACT

The existing of database processing is needed by many institutions and companies. Database is not only to get information faster; it is also enlarging their service to customer. For companies, this advantage can increase competency. Because of this reason, many companies using manual processing turn to database.

As mentioned above, database reverse engineering process has become a necessity for database developers to understand the structure of any databases. Commonly, this structure is modeled in some notations of Entity Relationships Diagram (ERD). The graphical visualization of database structure in an ERD can use many notations, so it is easy to understand. One of notation that easy to understand is ERD notation according to Igor T. Hawryszkiewycz in his book Relational Database Design an Introduction.

This final project had implements ERD generator application as one of solution to help database reverse engineering. This application will receive DDL script as its input and graphical visualization of database structure in an ERD as its output. By scanning and parsing technique that will be use in processing and graphical visualization of database structure in an ERD, this application can generate ERD which suitable with DDL script that we have inputed. Some test that we have done to this application show that ERD generator application can generate ERD scheme correctly, so user can know whether script that we have made follow to ERD or not.


Keywords : Database, ERD, DDL