

Abstract

In this information era, the necessity on database as storing device growing faster dan getting more complex. Time by time, when the data exchanged rapidly, performance becomes the main consideration to choose which kind of database to be implemented. Performance is one of important factor to fulfill user's need on speed of data access.

Because of that, a new kind of database which is usually known as *Object-Relational Database* is arise, that will be implemented and analyzed of its performance in this final project with *response time* and *I/O cost* as parameters. Hopefully, with this comparative performance analysis can known which database is better to be implemented in this case study. *Object-relational database* has In one side have advantages of object such as class, object, and inheritance in modelling and in other side have relational logic advantages when it implemented in database management system

Although, sometimes the superiority of *object-relational database* become not too significant because its limitation.

Keywords : *object-relational database, performansi, I/O Cost, response time, database, object.*