

Abstract

In this periode, information system has been developing fast. As return, databases, which are one of important part of information system also growing bigger. Problems begin when information system which is commonly useing centralized database get high data load that accessing the system. Distributed database came to solve that problems. There are two type of distributed database, they are homogeneous distributed database and heterogeneous distributed database.

This final task discussed about heterogeneous distributed database implementation and its performance analysis which is measured from response time and troughput and compared with homogeneous distributed performance result. Case study which used in this final task is course registration system in IT Telkom.

Final result obtained from this final task form in comparison response time and troughput value between homogeneous distributed database and heterogeneous distributed database. With result, homogeneous distributed database is better from heterogeneous distributed database according testing parameter, which are response time and troughput.

Keywords: distributed database, DBMS, homogeneous, heterogeneous, performance, response time, troughput.