



PROJECT REPORT
IMPLEMENTATION LOAD BALANCING AND
DATABASE FAILOVER SYSTEM ON
SERVER CLUSTER
CHRISTIAN MARYO XAVERIUS

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INFORMATICS ENGINEERING DEPARTMENT
FACULTY OF COMPUTER SCIENCE
SOEGIJAPRANATA CATHOLIC UNIVERSITY

APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Implementation Load Balancing and Database Failover System
on Server Cluster


by

Christian Maryo Xaverius – 13.02.0076

This project report has been approved and ratified by the Faculty of
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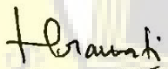
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Supervisor,

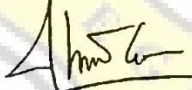

Suyanto Edward Antonius, Ir., M.Sc
NPP : 058.1.1992.116

Examiners,


1.)


Rosita Herawati, ST., MIT
NPP : 058.1.2004.263



2.)


Shinta Estri Wahyuningrum, S.Si., M.C
NPP : 058.1.2007.272

3.)


Hironimus Leong, S.Kom., M.Kom
NPP : 058.1.2007.273

Dean of Faculty of Computer Science,



Erdhi Widyarto Nugroho, ST., MT
NPP : 058.1.2002.254

STATEMENT OF ORIGINALITY

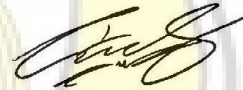
I, the undersigned:

Name : Christian Maryo Xaverius

ID : 13.02.0076

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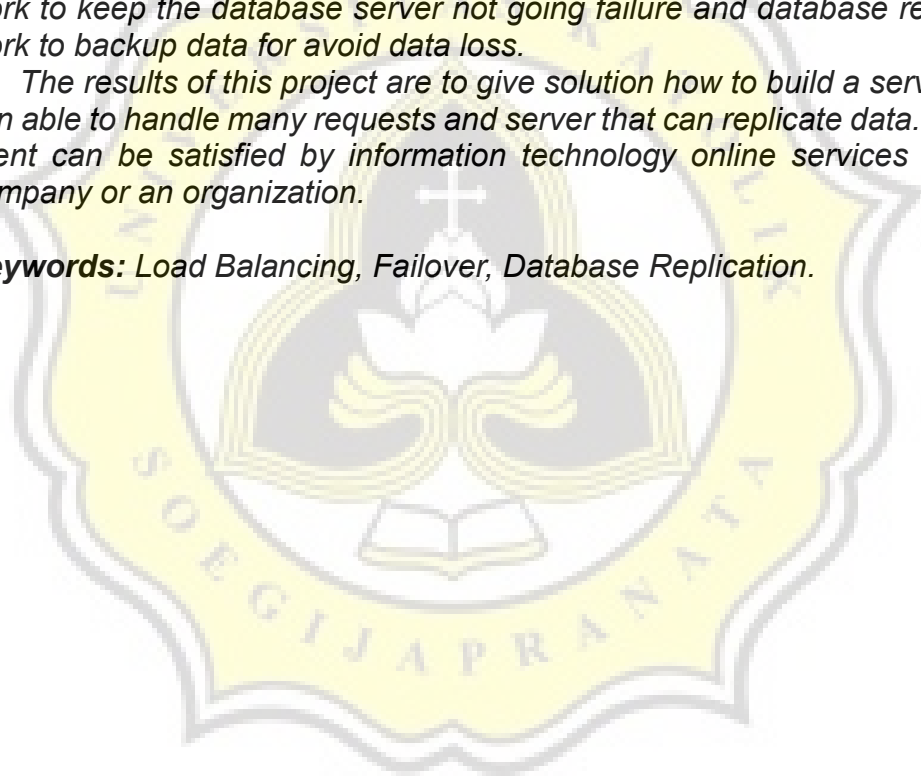
ABSTRACT

Web servers are servicing to provide companies information system for its customers through internet. When a web server is down the companies would get loss and customers would be disappointed. Then, many companies or organizations are competing to provide the fast service in for accessing data and transactions online. The image of companies or an organizations would be better if they can provide data service anytime and they can guarantee the security data from consumers.

Therefore, the authors build a server cluster architecture with implementing some methods there are load balancing, failover, and database replication. Load balancing work to resolve the failed request problem from client and keep the webserver is not going failure. Failover work to keep the database server not going failure and database replicate work to backup data for avoid data loss.

The results of this project are to give solution how to build a server that can able to handle many requests and server that can replicate data. So the client can be satisfied by information technology online services from a company or an organization.

Keywords: *Load Balancing, Failover, Database Replication.*



PREFACE

This final project report is divide into six chapters. The First chapter describes the problems that can be solved by the project, objectives and scope from the project. Chapter two contain support theories about method and tools which chosen to be applied on the project. In chapter three discusses the steps taken to build the project from beginning to end. Chapter four contain a detailed overview of the building project is presented in the diagram. In this chapter also explained how a method can solve every problem. Chapter five contains the implementation of the project in the form of a server cluster architecture, contained some configuration, testing, monitoring, and results of experimental project. Chapter six contain the conclusions of the project, the advantages and disadvantages of the project that has been implemented. In this chapter explained suggestions for further research.

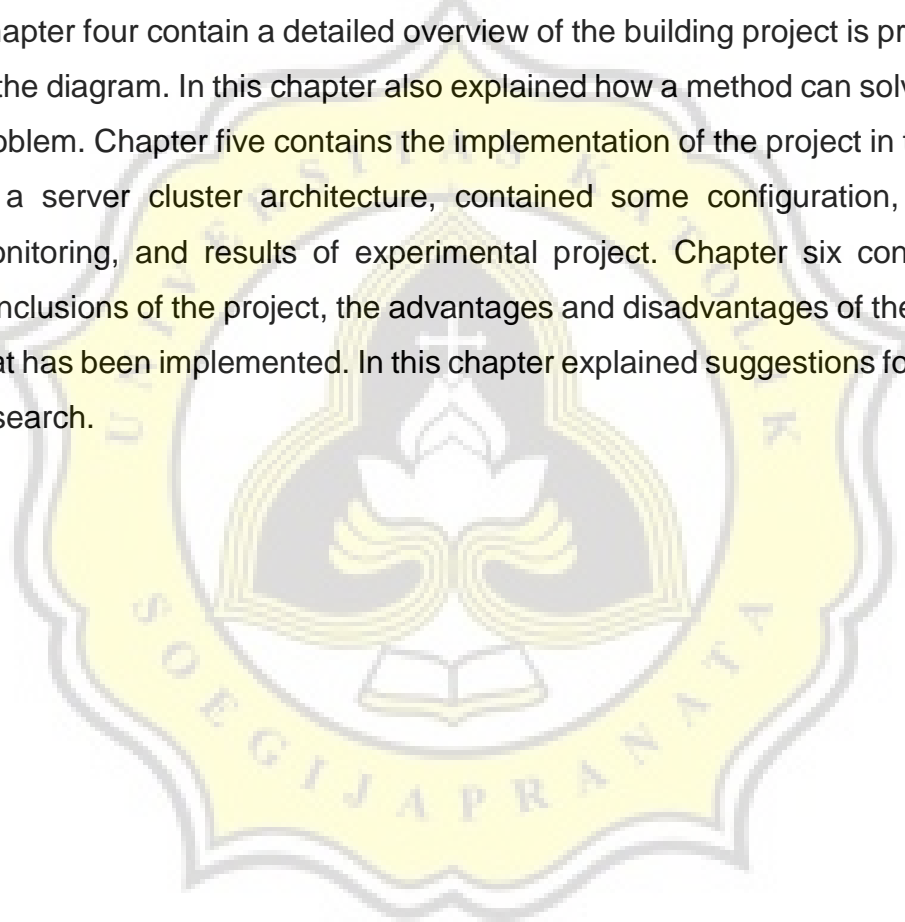


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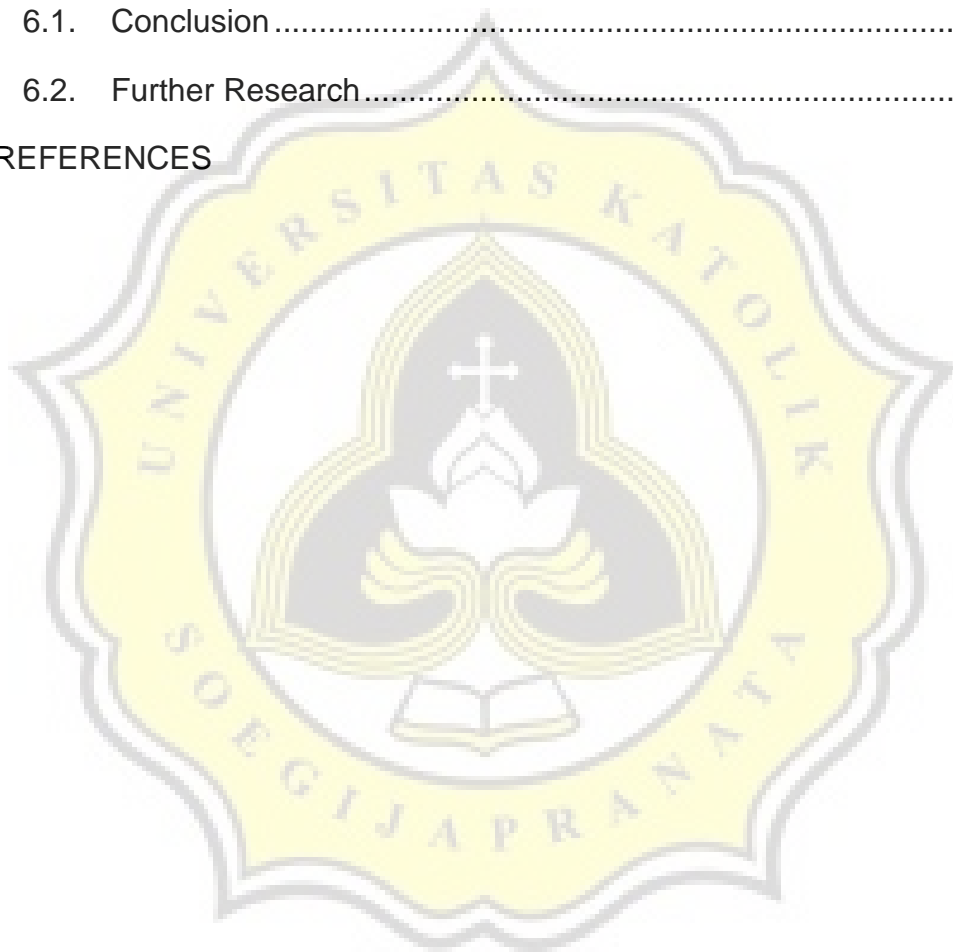


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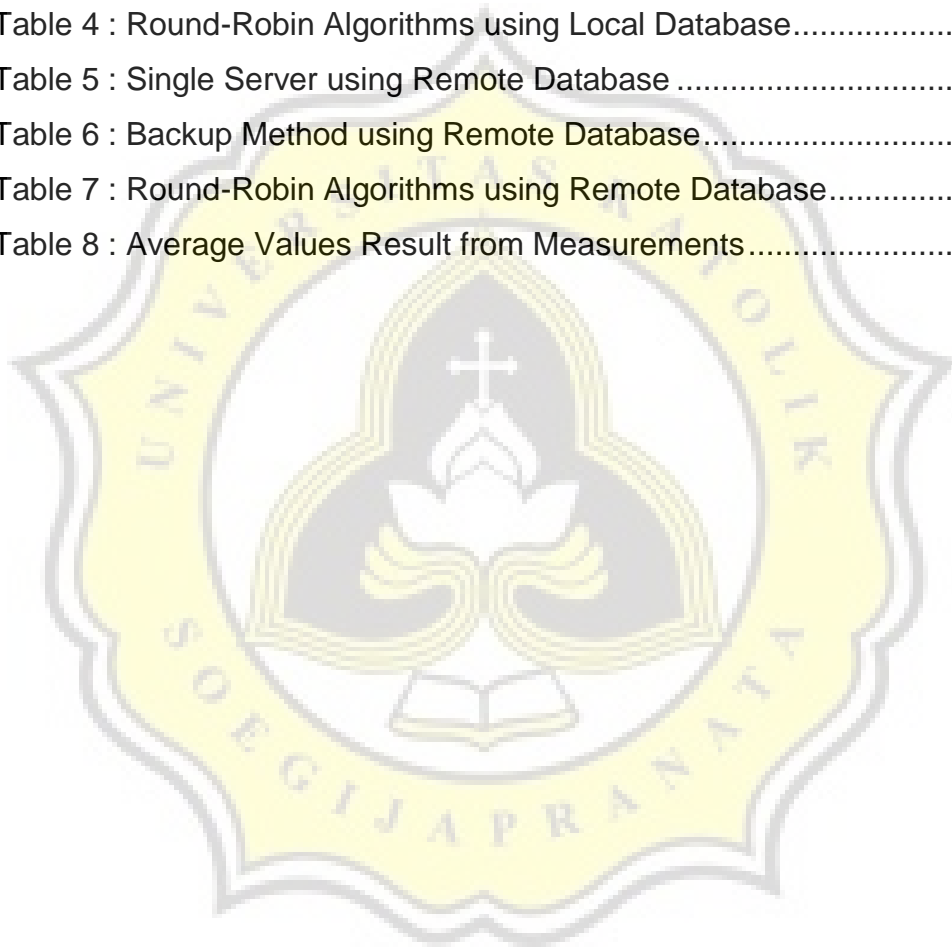


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