

APPROVAL

Approval of the Graduate School of Telkom University

Date: _____

(Dr. Maman Abdurohman, M.T)

Dean of the School of Computing, Telkom University

I certify that this thesis satisfies all the requirements as a thesis for the degree of Master Informatics Engineering.

Date: _____

(Dana Sulisty Kusumo, Ph.D.)

Head of Master Informatics

This is to certify that we have read this thesis and that in our opinion it is fully adequate, in scope and quality, as a thesis for the degree of Master of Informatics Engineering.

Date: _____

(Prof. Dr. Adiwijaya)

Supervisor

(Z.K. Abdurahman Baizal, S.Si., M.T)

Supervisor

Examining Committee Members:

Date: _____

(Dr. Arief Fatchul Huda, S.Si., M.Kom)

(Chairperson of the jury)

: _____

(Dana Sulisty Kusumo, Ph.D.)

(Jurys member)

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(Yanti Rusmawati, Ph.D.)

(Jurys member)

: _____