APPROVAL PAGE

Approval of the Graduate School of Telkom University

Date <u>January 24, 2016</u>

(Dr. Maman Abdurohman)

Dean of School of Computing

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

Date <u>January 24, 2016</u>

(Dana S.Kusumo, Ph.D)

Head of Informatics Engineering

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.

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Andrian Rakhmatsyah, ST.,MT Co-Supervisor Prof. The Houw Liong Supervisor

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Examining Committee Members:

Date of examination Jan 12, 2016

- Dr. Adiwijaya (Chairperson of the jury)

- 2. Dr. Arief Fatchul Huda (jury's member)
- 3. Dana S. Kusumo, Ph.D (jury's member) _