

## APPROVAL PAGE

Approval of the Graduate School of Telkom University

Date February 13<sup>th</sup>, 2014

\_\_\_\_\_  
(Ir. Ari M Barmawi, M.Sc., Ph.D)

Dean of Graduate School of Telkom University

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

Date February 13<sup>th</sup>, 2014

\_\_\_\_\_  
(Arie Ardianti Suryani, S.T., M.T.)

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.

Date February 13<sup>th</sup>, 2014

\_\_\_\_\_  
(Ir. Ari M Barmawi M.Sc., Ph.D)

Supervisor

Examining Committee Members

Date of examination January 30<sup>th</sup>, 2014

(Rimba Whidiana Ciptasari, Ph. D) (Chairperson of the jury) \_\_\_\_\_

(Parman Sukarno, MDC) (Jury's member) \_\_\_\_\_

(Fazmah Arif Yulianto, S.T., M.T.) (Jury's member) \_\_\_\_\_