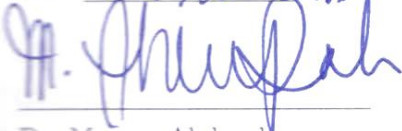


## APPROVAL PAGE

Approval of the Graduate School of Telkom University

Date Oct, 20th 2016



Dr. Maman Abdurrohmam  
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.

Date



(Daza 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.

Date



(Ari Moesriami Barmawi, Ph.D.)  
Supervisor

Examining Committee Members.

Date June 13, 2016

(Dr. Rinaldi Munir) (Chairperson of the jury)



(Jimmy Tirtawangsa, Ph.D) (jurys member)



(Rimba Whidiana Ciptasari, Ph.D) (jurys member)

