

APPROVAL

Approval of the Graduate School of Telkom University

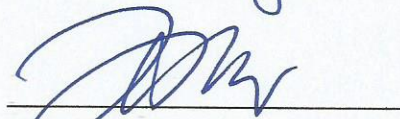
Date: _____

(Dr. Maman Abdurohman, M.T.)

Dean of Graduate School of Telkom University

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

Date: 24 August 2016

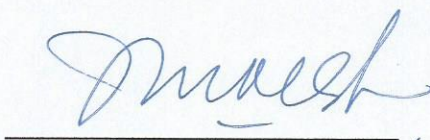


(Dana Kusuma, Ph.D)

Head of Graduate School 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: 24 - August 2016



(Ari Moesriami Barmawi, Ph. D)

Supervisor

Examining Committee Members:

Date of examination: 24 August 2016

Thomas Anung Basuki, Ph. D (Chairperson of the jury)

Jimmy Tirtawangsa, Ph. D (jury's member)

Arie Ardiyanti, S.T., M.T. (jury's member)

