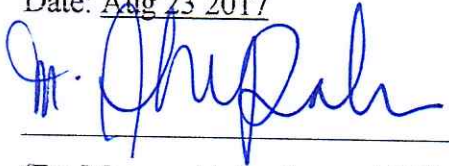


APPROVAL

Approval of the School of Computing, Telkom University

Date: Aug 23 2017

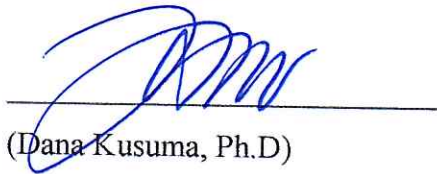


(Dr. Maman Abdurohman, M.T.)

Dean of School of Computing

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

Date: Aug 23 2017

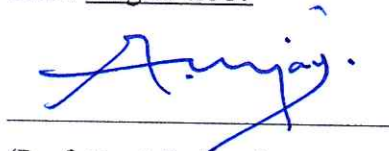


(Dana Kusuma, Ph.D)

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: Aug 23 2017



(Prof. Dr. Adiwijaya)

First Supervisor

Examining Committee Members:

Date of examination: Aug 23 2017,

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(Chairperson of the Jury)
2. Dr. Moch Arif Bijaksana
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