

APPROVAL PAGE

Approval of the Graduate School of Telkom University

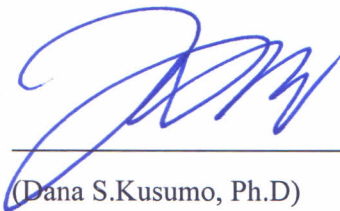
Date January 24, 2016

(Dr. Maman Abdurrohman)

Dean of School of Computing

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

Date January 24, 2016

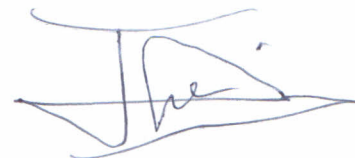


(Dana S.Kusumo, Ph.D)

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.

Date January 24, 2016



Andrian Rakhmatsyah, ST.,MT
Co-Supervisor

Prof. The Houw Liong
Supervisor

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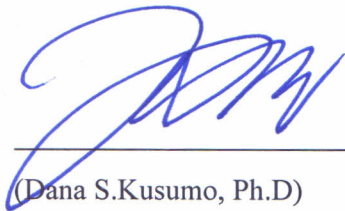
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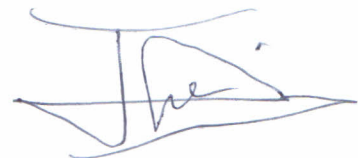


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Examining Committee Members:

Date of examination Jan 12, 2016

1. Dr. Adiwijaya (Chairperson of the jury) _____

2. Dr. Arief Fatchul Huda (jury's member) _____

3. Dana S. Kusumo, Ph.D (jury's member) _____