

## APPROVAL PAGE

Approval of the School of Computing of Telkom University

Date (DD/MM/YY) \_\_\_\_\_

\_\_\_\_\_  
(Dr. Maman Abdurrohman)

Dean of School of Computing of Telkom University

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

Date (DD/MM/YY) \_\_\_\_\_

\_\_\_\_\_  
(Dana Sulisty Kusumo, Ph.D)

Head of Master Program in 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 Engineering. Date (DD/MM/YY) \_\_\_\_\_

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Examining Committee Members (first name belongs to the chairperson of the jury and the second name belongs to supervisor, the rest is in alphabetical order of first name) Date of examination (DD/MM/YY) \_\_\_\_\_

Prof. The Houw Liong (Chairperson of the jury)

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