## **APPROVAL PAGE**

Approval of the Graduate School of Telkom University
Date (DD/MM/YY)

(Ir. Ari Moesriami Barmawi, MSc, PhD)

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 Engineering.

Date (DD/MM/YY)

(Arie Ardiyanti Suryani ST, MT)

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

(Jimmy Tirtawangsa, Ph.D.)	(Thomas Anung I	Basuki, Ph.D.)
Supervisor	Co-Supervisor	
Examining Committee Members (first name b	belongs to the chairperson of t	he jury and the second
name belongs to supervisor, the rest is in al	phabetical order of first name	e) Date of examination
(DD/MM/YY)		
A OY		
(Ir. Ari Moesriami Barmawi, MSc, PhD)	(Chairperson of the jury)	
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(Arie Ardiyanti Suryani, ST, MT)	(jury's member)	