

## APPROVAL PAGE

Approval of the School of Computing of Telkom University

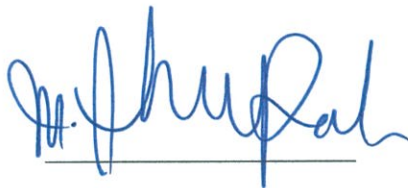
I Certify that this thesis satisfies all the requirements as a thesis for the degree of Master Informatics

Date \_\_\_\_\_

\_\_\_\_\_  
Dana Sulistyo Kusumo, Ph.D.  
Head of Master 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.

Date \_\_\_\_\_




Dr. Maman Abdurrohman  
Supervisor

Examining Committee Members,



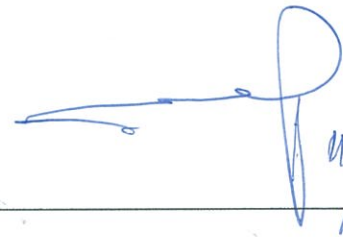
15/9/17

( Parman Sukarno, Ph.D ) (Chairperson of the jury) : \_\_\_\_\_



18/9/17

(Satria Mandala, Ph.D ) (Jurys member): \_\_\_\_\_



21/9/17

(Dr. Bayu Erfianto) (Jurys member): \_\_\_\_\_