

### Approval Page

Approval of the School of Computing of Telkom University

Date (DD/MM/YY) 18-2-2016



(Dr. Maman Abdurohman)  
Dean School of Computing

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

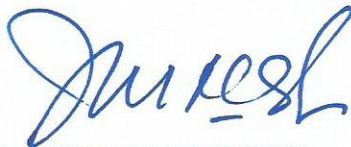
Date (DD/MM/YY) 5 Feb 2016



(Dana Sulisty 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 (DD/MM/YY) 5 Feb. 2016

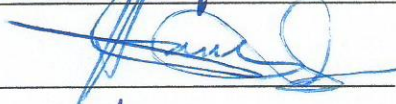


(Ari M Barmawi, Ph.D)  
Supervisor

Examining Committee Members.

Date (DD/MM/YY) 5 Feb 2016

(Jimmy Tirtawangsa, Ph.D) (Chairperson of the jury) : 

(Parman Sukarno, Ph.D) (jurys member) : 

(Thomas Anung Basuki, Ph.D) (jurys member) : 