

Approval of the School of Computing of Telkom University

Date (01/24/2016)

---

(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 (01/24/2016)

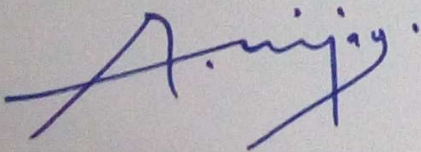
---

(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 Engineering.

Date (01/24/2016)



---

(Dr. Adiwijaya)

First Supervisor

Date (01/24/2016)

---

(Arie Ardiyanti, ST. MT.)

Second Supervisor

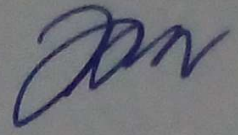


Date (01/24/2016)

(Chairperson of the jury) Prof. The How Liong

(Jurys Member) Dana Sulistyio Kusumo, PhD.

(Jurys Member) Dr. Arief Fatchul Huda

A handwritten signature in blue ink, appearing to be 'Dana', is located in the upper right quadrant of the page.