## APPROVAL PAGE

Approval of the School of Computing of Telkom University

I certify that this thesis satisfies all the requirement as a thesis for the degree of Master

Informatics
Date: 6-9-29

(Dana Sulistyo Kusumo, Ph.D.)

Wead 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.

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Supervisor

Examining Committee Members.

Date: 28-08-2017

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