

## APPROVAL PAGE

Approval of the School of Computing of Telkom University

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

Date:



(Dana Sulisty Kusumo, MT., 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 the scope and quality, as the thesis for the degree of Master of Informatics.

Date: **27/8/18**



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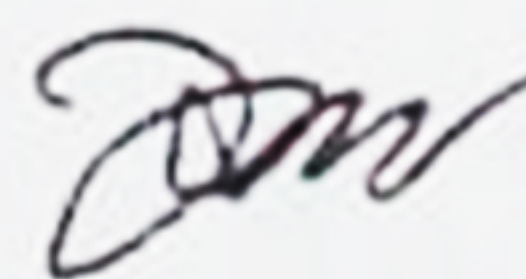
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