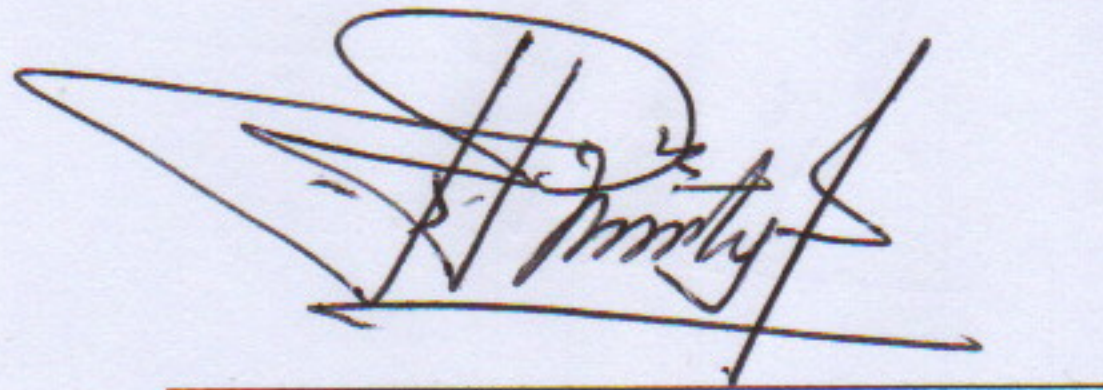


APPROVAL PAGE

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 Jan 22 , 2020

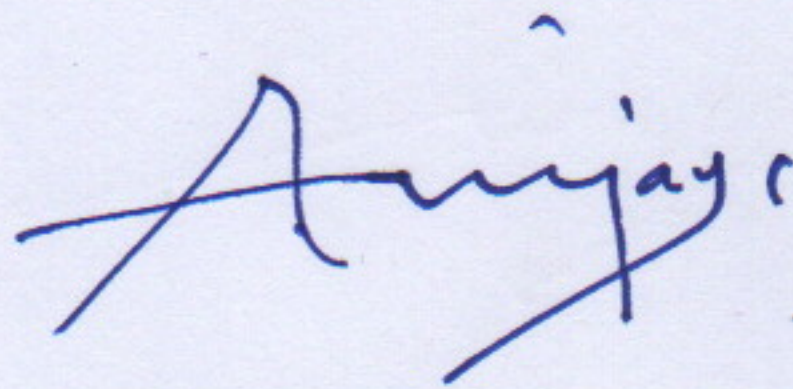


(Dr Setyorini ST. MT)

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 Jan 22 , 2020



(Prof. Dr. Adiwijaya)

Supervisor

Examining Committee Members.

Date Jan 22 , 2020

(Dr. Kemas Muslim L) (Chairperson of the jury)

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(Dr. Putu Harry Gunawan) (jury's member)

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(Dr. Arie Ardiyanti) (jury's member)

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