## 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 September 10, 2021

(Dr. Setyorini, S.T., M.T)

**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.

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Date September 10, 2021

(Dr. Ade Romadhony, S.T., M.T.)

Supervisor

**Examining Committee Members.** 

Date September 10, 2021

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