

## APPROVAL PAGE

Approval of the Graduate School of School of Computing of Telkom University

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

Date (DD/MM/YY) 21 February 2021

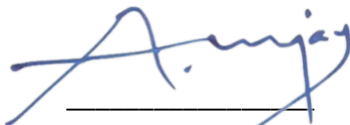


\_\_\_\_\_  
(Dr. Setyorini)

Head of Master of Computing

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 Computing.

Date (DD/MM/YY) 20 February 2021



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(Date) 20 February 2021

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