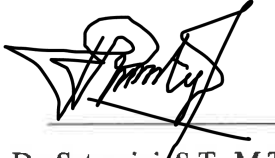


## APPROVAL PAGE

Approval of the School of Computing of Telkom University

Date: 24 February 2024



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

Date: 23 February 2024



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