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 July 17, 2023 (*the date can be set manully)

(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 July 17, 2023

(Prof. Dr. Adiwijaya, S.Si., M.Si.)

Supervisor

(Dr. Arie Ardiyanti Saryani, S.T., M.T.)

Co-Supervisor

Examining Committee Members.

Date July 17, 2023

(M. Arif Bijaksana, Ph. D) (Chairperson of the jury)

(Yanti Rusmawati, Ph.D) (jurys member)

(Dr. Kemas Muslim L.) (jurys member)