

## 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 Feb 19 , 2024

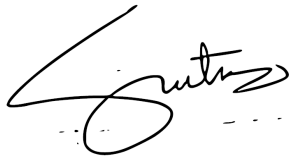


(Dr. Setyorini, M.T.)

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 Feb 19 , 2024



(Kemas Rahmat Saleh Wiharja, Ph.D.)  
Supervisor



(Dr. Z.K. Abdurahman Baizal)  
Co-Supervisor

Examining Committee

Members. Date Feb 19 , 2024

Dr. Ema Rachmawati (Chairperson of the jury)



Yanti Rusmawati, Ph.D (jury's member)



Dr. Untari N. Wisesty (jury's member)

