

# 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 of Informatics.

**Date: September 21, 2023**



(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: September 21, 2023,**





(Dr. ADE ROMADHONY, S.T., M.T.)

Supervisor

Examining Committee Members.

**Date: September 21, 2023**

<b>Dr.Ir. MOCH. ARIF BIJAKSANA, M.Tech.</b> (Chairperson of the jury)	
<b>DADE NURJANAH, S.T., M.T., Ph.D.</b> (Jury's member)	
<b>Dr. ARIE ARDIYANTI SURYANI, S.T., M.T.</b> (Jury's member)	