

## APPROVAL PAGE

Approval of the School of Electrical Engineering of Telkom University

I certify that this thesis satisfies all the requirements as a thesis for the degree of  
Master Electrical Engineering

Bandung, July 31<sup>th</sup> 2023 Head of  
Master Electrical Engineering

Dr. Ida Wahidah Hamzah, S.T., M.T.

NIP: 99760027

This is to certify that we have read this thesis and that it is fully adequate, in scope  
and quality, as a thesis for the degree of Master Electrical Engineering

Bandung, July 31<sup>th</sup> 2023 Approved by,

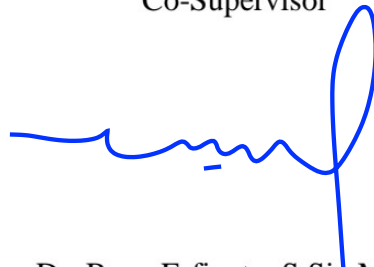
Supervisor



Dr. Achmad Rizal, S.T., M.T.

NIP. 01750031

Co-Supervisor



Dr. Bayu Erfianto, S.Si., M.Sc.

NIP. 05730058