

**DESIGN AND ANALYSIS OF WIDEBAND ANTENNA
USING METASURFACE RECTANGULAR SPLIT RING
RESONATOR AT 3.5 GHZ**

A THESIS SUBMITTED TO
THE SCHOOL OF ELECTRICAL ENGINEERING



BY
FERDI KURNIAWAN LUMBANTOBING
201012310041

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF ELECTRO-TELECOMMUNICATION IN
THE SCHOOL OF ELECTRICAL ENGINEERING

FEBRUARY 2025