

# **MULTINODE WIRELESS SENSOR ON GEO-ELECTRICAL RESISTIVITY METER BASED ON LORA COMMUNICATION**

A THESIS SUBMITTED TO  
THE SCHOOL OF ELECTRICAL ENGINEERING



BY

**SIFA NURPADILLAH**  
**2101221007**

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

**AUGUST 2024**