

**PROPOSED LIGHTWEIGHT DEDUPLICATION SYSTEM MODEL
BASED ON MODIFIED xxHASH32 FOR UHF RFID
MIDDLEWARE EDGE DEVICES**

A MASTER'S THESIS

SUBMITTED TO
THE SCHOOL OF ELECTRICAL ENGINEERING



BY
ROSYA SATRIA FIRDHAUST
201012320018

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTER OF ENGINEERING

TELKOM UNIVERSITY
BANDUNG
2025