

SWITCHED-BEAM VIVALDI ARRAY ANTENNA BASED ON BUTLER MATRIX FOR 5G MOBILE COMMUNICATION

A THESIS SUBMITTED TO
THE SCHOOL OF ELECTRICAL ENGINEERING

BY

NURLAILA SAFITRI

2101162025



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

**TELKOM UNIVERSITY
2018**