

**INTEGRATED PRODUCTION AND MAINTENANCE SCHEDULING
OPTIMIZATION WITH SEQUENCE DEPENDENT SETUP AND
MACHINE BREAKDOWN CONSIDERATION**

THESIS



**HELMY ANDAMARI KWINTANADA
19/449612/PTK/12871**

**INDUSTRIAL ENGINEERING MASTER STUDY PROGRAM
DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING
ENGINEERING FACULTY
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2021**