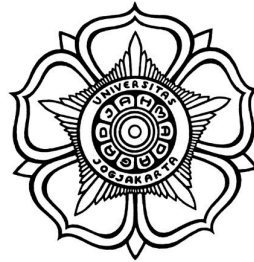


UNDERGRADUATE THESIS

**ENHANCEMENT OF BATTERY MANAGEMENT SYSTEM WITH
INDIVIDUAL CELL MONITORING**



Khairi Fattah Muhammad Huli Sinuraya
20/447752/PA/19790

**ELECTRONICS AND INSTRUMENTATION STUDY PROGRAM
DEPARTMENT OF COMPUTER SCIENCE AND ELECTRONICS
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS GADJAH MADA YOGYAKARTA**

2026

UNDERGRADUATE THESIS

**ENHANCEMENT OF BATTERY MANAGEMENT SYSTEM WITH
INDIVIDUAL CELL MONITORING**

Proposed to fulfil the requirement for
Bachelor of Electronics and Instrumentation



Khairi Fattah Muhammad Huli Sinuraya

20/457752/PA/19790

**ELECTRONICS AND INSTRUMENTATION STUDY PROGRAM
DEPARTMENT OF COMPUTER SCIENCE AND ELECTRONICS
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS GADJAH MADA YOGYAKARTA**

2026



UNIVERSITAS
GADJAH MADA

Enhancement of Battery Management System with Individual Cell Monitoring
KHAIRI FATTAH MUHAMMAD HULI SINURAYA, Triyogatama Wahyu Widodo, M.Kom.
Universitas Gadjah Mada, 2026 | Didownload dari <http://etd.repository.ugm.ac.id/>

SKRIPSI

**ENHANCEMENT OF BATTERY MANAGEMENT SYSTEM WITH
INDIVIDUAL CELL MONITORING**

Telah dipersiapkan dan disusun oleh

Khairi Fattah M H S (IUP)

20/457752/PA/19790

Telah dipertahankan di depan Tim Penguji
pada tanggal 07 Januari 2026

Susunan Tim Penguji

Drs. Bambang Nurcahyo Prastowo, M.Sc.
Ketua Penguji

Tri Wahyu Supardi, S.Si., M.Cs.
Anggota Penguji

Triyogatama Wahyu Widodo, S.Kom, M.Kom
Pembimbing

Mengetahui,
a.n. Dekan EMIPA UGM
Wakil Dekan Bidang Pendidikan, Pengajaran
dan Kemahasiswaan



Prof. Drs. Roto, M.Eng., Ph.D.
NIP. 196711171993031020