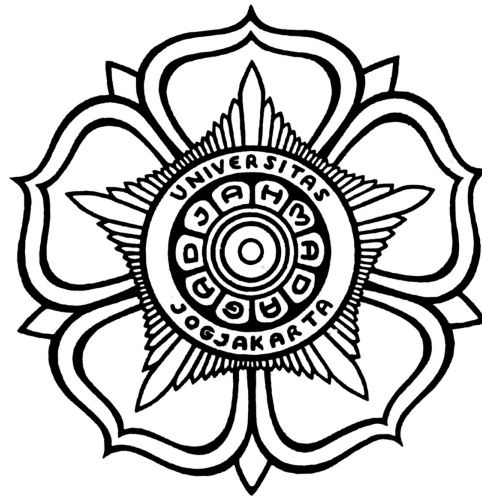


UNDERGRADUATE THESIS

**The Evaluation of the Effects of Contrast Enhancement and
Class-Balanced Oversampling on Transfer-Learned Models
for Facial Emotion Recognition in the Wild**

Submitted in partial fulfillment of the requirements for the degree of
Sarjana Ilmu Komputer



Azzahra Adissa Sharya Darsono

22/492185/PA/21085

COMPUTER SCIENCE UNDERGRADUATE STUDY PROGRAM
DEPARTEMEN ILMU KOMPUTER DAN ELEKTRONIKA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
UNIVERSITAS GADJAH MADA
YOGYAKARTA

2026

SKRIPSI ILMIAH AKADEMIK

**THE EVALUATION OF THE EFFECTS OF CONTRAST ENHANCEMENT
AND CLASS-BALANCED OVERSAMPLING ON TRANSFER-LEARNED
MODELS FOR FACIAL EMOTION RECOGNITION IN THE WILD**

Telah dipersiapkan dan disusun oleh

Azzahra Adissa Sharya Darsono (IUP)

22/492185/PA/21085

Telah dipertahankan di depan Tim Penguji

pada tanggal 07 April 2026

Susunan Tim Penguji



Muhammad Oriza Nurfaejri S.Kom., M.IT. Moh. Edi Wibowo, S.Kom., M.Kom., Ph.D.

Ketua Penguji



Anggota Penguji



Wahyono, S.Kom., Ph.D.

Pembimbing

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



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