

**UNDERGRADUATE THESIS**

**GENETIC ALGORITHM POWERED DEEP LEARNING FRAMEWORK  
WITH U-NET AND RESNET-18 FOR CERVICAL CANCER CELLS  
CLASSIFICATION**



SAARAH AQILAH SIHABUDDIN  
22/492356/PA/21109

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

**2026**

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Submitted to fulfil one of the requirements to obtain  
a Bachelor of Computer Science degree



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## THESIS DEFENSE VALIDITY STATEMENT

HALAMAN PENGESAHAN

SKRIPSI (RISET AKADEMIK)

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Telah dipersiapkan dan disusun oleh

Saarah Aqilah Sihabuddin (IUP)

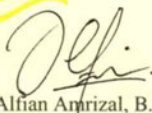
22/492356/PA/21109

Telah dipertahankan di depan Tim Penguji  
pada tanggal 06 Januari 2026


Susunan Tim Penguji



Prof. Dr. Suprpto, M.I.Kom.  
Ketua Penguji



Muhammad Alfian Amrizal, B.Eng., M.I.S., Ph.D.  
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