



THE EFFICIENCY OF PT XYZ'S WWTP IN REGARD TO BOD AND COD REMOVALS IN THE BIOLOGICAL TREATMENT SECTION FINAL PROJECT

Amaranta Qyana Aubrey Darmawan, Johan Syafri Mahathir Ahmad, ST., M.Eng., Ph.D.

Universitas Gadjah Mada, 2026 | Diunduh dari <http://etd.repository.ugm.ac.id/>

THE EFFICIENCY OF PT XYZ'S WWTP IN REGARD TO BOD AND COD REMOVALS IN THE BIOLOGICAL TREATMENT SECTION FINAL PROJECT

Submitted to fulfill one of the requirements to obtain a Bachelor of Engineering Degree in the Environmental Infrastructure Engineering Undergraduate Program.



AMARANTA QYANA AUBREY DARMAWAN
21/481795/TK/53172

**UNDERGRADUATE PROGRAM ENVIRONMENTAL INFRASTRUCTURE
ENGINEERING MAJOR
DEPARTEMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
FACULTY OF ENGINEERING
GADJAH MADA UNIVERSITY
YOGYAKARTA
2025**

Supervisor approves the final project

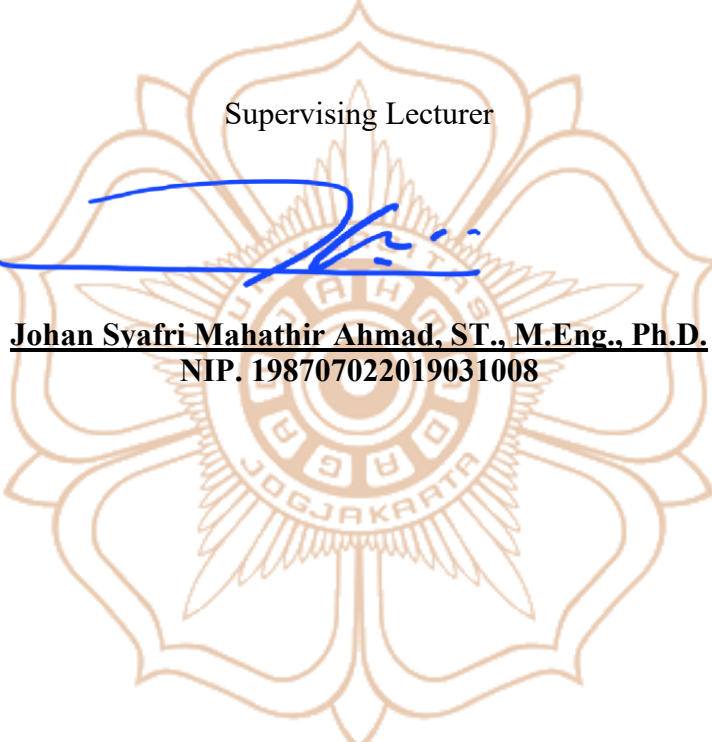
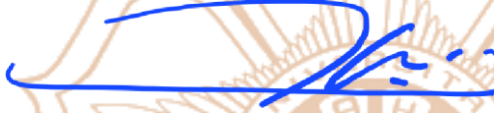
THE EFFICIENCY OF PT XYZ'S WWTP IN REGARD TO BOD AND COD REMOVALS IN THE BIOLOGICAL TREATMENT SECTION

Written by:

Amaranta Qyana Aubrey Darmawan

21/481795/TK/53172

Supervising Lecturer



Johan Syafri Mahathir Ahmad, ST., M.Eng., Ph.D.
NIP. 198707022019031008

FINAL PROJECT

THE EFFICIENCY OF PT XYZ'S WWTP IN REGARD TO BOD AND COD
REMOVALS IN THE BIOLOGICAL TREATMENT SECTION

written by:

Amaranta Qyana Aubrey Darmawan

21/481795/TK/53172

Supervising Lecturer:

Johan Syafri Mahathir Ahmad, ST., M.Eng.,
Ph.D.

NIP 198707022019031008

Date: 17 Januari 2026

Examining Lecturer I:

Nurul Alvia Istiqomah, S.T., M.Sc., Ph.D.

NIP 111199401202001201

Date: 17 Januari 2026

Examining Lecturer II:

Neil Andika, S.T., M.Sc., Ph.D.



NIP 111199201201807101

Date: 17 Januari 2026

This final project has been accepted as one of the requirements to attain a Bachelor's Degree

Date

Acknowledged,
Head of the Civil and Environmental Engineering Department



Prof. Dr. Eng. Ir. M. Zudhy Irawan, S.T., M.T., IPM.

NIP. 198302042012121005



THE EFFICIENCY OF PT XYZâ€™S WWTP IN REGARD TO BOD AND COD REMOVALS IN THE BIOLOGICAL TREATMENT SECTION FINAL PROJECT

Amaranta Qyana Aubrey Darmawan, Johan Syafri Mahathir Ahmad, ST., M.Eng., Ph.D.

Universitas Gadjah Mada, 2026 | Downloaded from <http://eud.repository.ugm.ac.id/>

Lampiran: Histori alur persetujuan

No	Jabatan	Nama	Jenis	Tanggal Disetujui
1	Koordinator Akademik DTSL	Pratiwi Arinta Wulanjani, S.IP.	Paraf	Senin, 19 Januari 2026 10:06
2	Ketua Program Studi Sarjana Teknik Infrastruktur dan Lingkungan	Ir. Ni Nyoman Nepi Marleni, S.T., M.Sc., Ph.D., IPM.	Paraf	Senin, 19 Januari 2026 10:28
3	Ketua Departemen Teknik Sipil dan Lingkungan	Prof. Dr.Eng. Ir. Muhammad Zudhy Irawan, S.T., M.T.	Tanda Tangan	Senin, 19 Januari 2026 10:40

Diajukan oleh Guntur Tri Atmaja, S.S. pada Minggu, 18 Januari 2026 17:04



*Dokumen ini telah melalui proses approval secara daring sebelum QR Code dibubuhkan.
Scan QR Code yang ada di setiap halaman dokumen ini untuk verifikasi.*