

**Performance Evaluation of Deep Learning-Based Chemical Treatment
Prediction of Ultrafiltration Water Purifying System**

THESIS



Jecky

23/512280/PTK/15025

**MASTER OF INDUSTRIAL ENGINEERING STUDY PROGRAM
DEPARTMENT OF MECHANICAL AND INDUSTRIAL
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UNIVERSITAS GADJAH MADA
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Has been approved by the Advisor Committee

Main Advisor



< Prof. Ir. Nur Aini Masruroh, ST., M.Sc., Ph.D., IPU., ASEAN Eng.>



TESIS

EVALUASI PERFORMA MODEL BERBASIS *DEEP LEARNING* DALAM PREDIKSI PERLAKUAN KIMIA PADA SISTEM PEMURNIAN AIR ULTRAFILTRASI

PERFORMANCE EVALUATION OF DEEP LEARNING-BASED CHEMICAL TREATMENT PREDICTION OF ULTRAFILTRATION WATER PURIFYING SYSTEM

Dipersiapkan dan disusun oleh:

Jecky -

23/512280/PTK/15025

**Telah dipertahankan di depan Tim Penguji
pada tanggal Kamis, 07 Agustus 2025**

Susunan Dosen Penguji

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Tesis ini telah diterima sebagai salah satu persyaratan
untuk memperoleh derajat Magister

Ketua Program Studi Magister Teknik Industri



Ir. I Gusti Bagus Budi Dharma, S.T., M.Eng., Ph.D., IPU., ASEAN Eng.

Mengetahui

Ketua Departemen Teknik Mesin dan Industri



Prof. Ir. Budi Hartono, S.T., M.Pm., Ph.D., IPU., ASEAN Eng.