

AWALIA RAMADHAN

Bogor, Jawa Barat, 16962 | 085156533274 | awaliarmdhn28@gmail.com

Chemical Engineering graduate with hands-on experience in chemical research, material testing, process development, and laboratory operations. Skilled in operating various laboratory equipment, conducting experiments, analyzing results, and preparing technical reports. Experienced in collaborative project environments with strong communication, teamwork, and time management skills. Seeking opportunities to apply and further develop technical and research skills in the chemical engineering industry.

Education

Universitas Negeri Semarang - Semarang, Indonesia

Aug 2022 - Jul 2026

Bachelor of Chemical Engineering

- GPA : 3.59/4.00
- Relevant Courses : Mass Balance, Energy Balance, Reactor, Thermodynamics, Process Tools Design
- Achievements: Awardee of P2MW (Entrepreneurial Student Development Program) Grant from the Ministry of Education, Culture, Research, and Technology (2024)

Work Experince

PT Kilang Pertamina Internasional RU IV Cilacap - Cilacap, Indonesia

Jan - Jun 2025

Process Engineer Intern

- Evaluate the performance of the brine heater in the Raw Water Treatment, Desalination, and Demineralization System unit within the RFCC utility
- Analyze the causes of increased fouling factor in heat exchangers within the Raw Water Treatment, Desalination, and Demineralization System, and propose technical solutions based on historical data and actual performance to improve heat transfer efficiency

Project Experince

Preliminary Design of a Phenyl Ethyl Alcohol Plant Using the Friedel–Crafts Process with a Capacity of 1,500 Tons/Year

Semarang, Indonesia

Jan - Jul 2026

- Developed the overall process design for Phenyl Ethyl Alcohol production from benzene and ethylene oxide.
- Designed and sized major process equipment based on process and operating conditions.
- Determined utility requirements and evaluated key process parameters.
- Developed the process flow diagram (PFD) and conducted preliminary process and economic evaluations.

Synthesis of AC/HAP Composite from Coconut Shell and Tilapia Fish Scales for Methylene Blue Adsorption

Semarang, Indonesia

Jul - Sep 2025

- Synthesized AC/HAP composite from coconut shell and tilapia fish scales through activation and hydroxyapatite formation processes.
- Conducted material characterization to evaluate the structural and surface properties of the synthesized composite.
- Evaluated methylene blue adsorption performance under varying operating conditions.
- Analyzed adsorption efficiency to assess the potential of the composite as an environmentally friendly adsorbent.

Development and Production of Organic-Based Poultry Feed – RAMBO

Semarang, Indonesia

Jan - Nov 2024

- Received a P2MW grant to support product development and commercialization.
- Developed and produced organic-based poultry feed using locally sourced organic ingredients.
- Managed the production process from raw material preparation to packaging while maintaining product quality.
- Monitored product quality and consistency throughout the production process.

Organizational & Committe Experience

Badan Eksekutif Mahasiswa Fakultas Teknik - Semarang, Indonesia

Jan - Dec 2023

Staff of Communication and Information Division

- Designed and created visual content such as posters, infographics, and videos for BEM FT's social media
- Managed content posting schedules across multiple platforms in a timely and structured manner

- Monitored and evaluated post performance to improve content quality and audience engagement

Chemical Engineering Research Club - Semarang, Indonesia

Jan – Dec 2024

Staff of Media and Information Division

- Designed visual materials including Instagram feeds and posters aligned with CERC branding
- Maintained CERC's visual identity to ensure consistent organizational branding
- Evaluated and refined visual designs to enhance CERC's public image

PKKMB FT UNNES - Semarang, Indonesia

Jun - Aug 2023

Creative Media Division Staff

- Operated photography and videography equipment for event documentation
- Acted as technical operator, mastering new tools to support event operations
- Contributed to ensuring smooth technical execution during the event

Piala dekan & Gebyar Teknik Terpadu - Semarang, Indonesia

Apr - Mei 2023

E-Sport Competition Division

- Organized and coordinated e-sport events to ensure operational efficiency
- Understood game mechanics and rules for effective competition planning
- Operated complex technical equipment, including live streaming systems, and quickly adapted to new tools

Video Company Profile CERC - Semarang, Indonesia

Mei 2024

Project Leader

- Led a cross-division team to create a company profile video, ensuring effective and efficient collaboration
- Oversaw the coordination and management of all operations from planning to execution
- Made strategic decisions to help each division meet its goals and deadlines
- Ensured the project's creative vision and video quality through clear direction and structured leadership

Skills, Achievements & Other Experience

- **Hard Skills:** Aspen HYSYS, ANSYS, Mathlab, OriginLab Microsoft Office (Visio, Excel, Power Point, Word), Graphic Design (Adobe Photoshop, Adobe Illustrator, Corel, Canva), Video Editing (Adobe Premiere, Adobe After Effects, Capcut)
- **Soft Skills:** Creativity, Problem Solving, Team Collaboration, Analytical Thinking
- **Language:** Indonesia (Native), English (Intermediate)

SERTIFIKAT PELATIHAN
CERTIFICATE OF TRAINING

No.023/SERT-AK3U/VIII/2026

AHLI K3 UMUM
EXPERT IN GENERAL OCCUPATIONAL HEALTH & SAFETY

diberikan kepada :
presented to :

Awalia Ramadhan

Diselenggarakan oleh:
Held by :

HECCONS LEARNING & CONSULTING, 29 AUGUST 2026

Berdasarkan SKKNI K3 Kepmenaker No. 038 Tahun 2019

Based on SKKNI K3 Kepmenaker No. 038 in 2019

Surabaya, 29 August 2026
PT. HECCONS GLORI INDONESIA



PT. HECCONS GLORI INDONESIA

Andreas Pradhana, S.K.M., M. PSDM.
QHSE Practitioner & Specialist



**KURIKULUM PEMBELAJARAN
PELATIHAN AHLI K3 UMUM BERDASARKAN
SKKNI K3 KEPMENAKER NO. 038 TAHUN 2019**

No.	Kode Unit	Unit Kompetensi
1	M.71KKK01.001.1	Merancang Strategi Pengendalian Risiko K3 di Tempat Kerja <i>Designing Workplace OHS Risk Control Strategies</i>
2	M.71KKK01.002.1	Merancang Sistem Tanggap Darurat <i>Design an Emergency Response System</i>
3	M.71KKK01.003.1	Melakukan Komunikasi K3 <i>Conduct OHS Communication</i>
4	M.71KKK01.004.1	Mengawasi Pelaksanaan Izin Kerja <i>Supervising the Implementation of Work Permits</i>
5	M.71KKK01.005.1	Melakukan Pengukuran Faktor Bahaya di Tempat Kerja <i>Measuring Hazard Factors in the Workplace</i>
6	M.71KKK01.006.1	Mengelola Pertolongan Pertama pada Kecelakaan Kerja (P3K) di Tempat Kerja <i>Managing First Aid for Occupational Accidents in the Workplace</i>
7	M.71KKK01.007.1	Mengelola Tindakan Tanggap Darurat <i>Managing Emergency Response Measures</i>
8	M.71KKK01.008.1	Mengelola Alat Pelindung Diri (APD) di Tempat Kerja <i>Managing Personal Protective Equipment (PPE) in the Workplace</i>
9	M.71KKK01.009.1	Menerapkan Program Pelayanan Kesehatan Kerja <i>Implementing the Occupational Health Service Program</i>
10	M.71KKK01.010.1	Mengelola Sistem Dokumentasi K3 <i>Manage OHS Documentation System</i>
11	M.71KKK01.011.1	Menerapkan Manajemen Risiko K3 <i>Implement OHS Risk Management</i>
12	M.71KKK01.012.1	Mengevaluasi Pemenuhan Persyaratan dan Prosedur K3 <i>Evaluate Fulfillment of OHS Requirements and Procedures</i>
13	M.71KKK01.013.1	Melakukan Investigasi Kecelakaan Kerja <i>Conduct Work Accident Investigation</i>



HUAWEI ICT ACADEMY 华为ICT学院

Certificate of Completion

结课证书

Awalia Ramadhan

has successfully completed the study and exam of
祝贺您在华为ICT学院顺利完成学习并通过了考核

Data Management and Analytics

Issue Date: 2025-08-31
发证日期:



Certificate Code: ICT20250831002225
证书编号:



HUAWEI ICT ACADEMY
华为ICT学院

Note: This certificate only verifies the completion of the course and does not represent passing the Huawei Certification exam.

注：本证书仅证明通过该课程学习考核，不代表通过华为认证相关考试。



HUAWEI ICT ACADEMY

Sertifikat Penyelesaian

Awalia Ramadhan

telah berhasil menyelesaikan studi dan ujian

Overview of AI (Indonesian)

Tanggal Terbit: 2025-08-31



Kode Sertifikat:

ICT20250831004104



HUAWEI ICT ACADEMY

Catatan: Sertifikat ini hanya memverifikasi penyelesaian kursus dan tidak mewakili kelulusan ujian Sertifikasi Huawei.



SERTIFIKAT

Nomor : B/10070/UN37.1.5/KM.04.02/2024

Diberikan kepada :

Awalia Ramadhan

Sebagai:

Peserta

Dalam kegiatan **Software Engineering Training 2024** yang diselenggarakan oleh Himpunan Mahasiswa Profesi Teknik Kimia pada tanggal 1-2 Juni 2024 di Fakultas Teknik Universitas Negeri Semarang.

Semarang, 1-2 Juni 2024

Wakil Dekan I Bidang Akademik dan Kemahasiswaan
Fakultas Teknik Universitas Negeri Semarang.



Dr.-Ing Dhidik Prastiyanto, S.T., M.T.

NIP 197805312005011002