

RENDY ROHIM

Karawang, Indonesia | +6281380809926 | rendyrohim3@gmail.com | www.linkedin.com/in/rendyrohim

Quality Control Analyst with practical experience in physicochemical testing, formulation development, and chemical raw material analysis for pharmaceutical and cosmetic applications. Skilled in viscosity testing, bulk density, acid value, iodine value, saponification value, titration, and UV–Vis spectrophotometric analysis based on ASTM and USP–NF standards. Experienced in production batch verification, analytical data validation, and laboratory documentation within quality management systems. Interested in the development of local raw materials, metallic soaps, surfactants, and functional product formulations with a focus on accuracy, reproducibility, and product quality optimization.

EDUCATION

Diponegoro University – Semarang, Indonesia

Aug 2021 - Jun 2025

Bachelor of Science in Chemistry

- GPA : 3.59/4.00 [[Transcript](#)]

WORKING EXPERIENCES

Internship at PT. Zeus Kimiatama Indonesia as Quality Control

Nov 2025 – May 2026

- Conducted physicochemical analysis based on ASTM and USP–NF standards, including acid value, iodine value, saponification value, viscosity, and bulk density testing.
- Verified analytical results for more than 32 production batches to ensure compliance with quality specifications.
- Assisted in laboratory-scale product formulation and optimization, including material mixing and product quality evaluation.
- Operated laboratory and production equipment such as viscometers, stirred reactors, sieve shakers, and sigma mixer extruders.
- Prepared laboratory documentation, processed data, and validated test results using Microsoft Excel in accordance with quality management systems.
- Supported the evaluation of raw materials and intermediate products based on surfactants, emulsifiers, and metallic soaps.

Physical Chemistry Laboratory Assistant – Diponegoro University

Feb 2025 - Jun 2025

- Supervised and mentored over 40 students during adsorption laboratory sessions.
- Coordinated laboratory activities to ensure structured and efficient experimental processes.
- Maintained laboratory standards, equipment readiness, and reagent availability.
- Promoted occupational health and safety practices.
- Recorded and evaluated experimental results in a structured and analytical manner.

General Chemistry Laboratory Assistant II - Diponegoro University

Feb 2024 - Jun 2024

- Guided solvent extraction experiments using liquid–liquid extraction (water–chloroform system).
- Explained the salting-out effect using saturated NaCl solution to enhance phase separation.

Internship at Balai Laboratorium Pengujian Kesehatan Ikan dan Lingkungan as QC – Kota Semarang

Jan 2024 - Feb 2024

- Conducted water quality testing (pH, nitrate, nitrite) using UV–Vis spectrophotometry to ensure regulatory compliance.
- Evaluated raw material quality through instrumental analysis.
- Verified analytical data against product specifications and documented results systematically.

General Chemistry Laboratory Assistant I - Diponegoro University

Sep 2023 - Nov 2023

- Assisted lipid identification experiments through saponification and separation processes.
- Supervised analysis of physical and chemical properties of organic compounds.

RESEARCH EXPERIENCE

Carbon Quantum Dots (CQDs) from Biomass Waste

Sep 2024 – Aug 2025

- Conducted synthesis and physicochemical characterization of Carbon Quantum Dots using sustainable biomass precursors.
- Performed structural and optical characterization using UV–Vis, FTIR, XRD, PSA, and fluorescence analysis.
- Interpreted data using Origin and SPSS software.
- Evaluated the application of CQDs in agro-based systems to assess functional performance.
- Applied green synthesis principles in nanomaterial development.

ORGANIZATIONAL EXPERIENCE

Staff of Education Departemen – Chemistry Student Association

Feb 2022 – Jan 2024

- Coordinated training communications and managed participant engagement.
- Acted as Master of Ceremony for academic training events.
- Oversaw logistics and academic program equipment management.
- Supported event supervision and cross-team coordination as Deputy Project Coordinator.

Project Leader – Diponegoro Chemistry Fair

Feb 2023 – Sep 2023

- Led planning and execution of a national-scale academic event.
- Supervised 10+ committees and coordinated cross-functional teams.
- Developed event timelines, SOPs, and evaluation systems.
- Achieved participation targets: 150 competition participants, 180 paper presenters, and 100 seminar attendees.

SKILL

Hard Skills

- Analytical Instruments: UV–Vis Spectrophotometer, pH Meter, Viscometer.
- Laboratory Techniques: Titration, Gravimetric Analysis, Reflux, Solvent Extraction, Saponification, Product Formulation.
- Material Characterization: FTIR, XRD Interpretation, Particle Size Analysis (PSA), Fluorescence Analysis.
- Data Processing Software: Origin, SPSS, Microsoft Excel, HighScore, ChemDraw.
- Equipment Operation: Rotary Evaporator, Stirred Reactor, Sigma Mixer Extruder, Sieve Shaker.
- Standards & Documentation : ASTM, USP–NF, Laboratory SOP, Quality Documentation.

Soft Skills

- Indonesian, English (English Proficiency Test – EPT Score: 586 [[Certificate](#)])
- Teamwork | Leadership | Communication | Problem Solving | Time Management | Analytical Thinking

UNIVERSITAS DIPONEGORO

Akreditasi Perguruan Tinggi Nomor : 106/SK/BAN-PT/Ak.Pj/PT/II/2023

Nomor Ijazah Nasional : 001008472012025100146

Pimpinan Unversitas Diponegoro dengan ini menyatakan bahwa :

Rendy Rohim

lahir di Purwakarta tanggal 7 April 2003

Nomor Induk Kependudukan : 3215140704030008

Nomor Induk Mahasiswa : 24030121140100

telah lulus pada tanggal 15 Agustus 2025 dan memenuhi segala syarat pendidikan pada :

Program Sarjana Kimia

terakreditasi LAMSAMA nomor : 096/SK/LAMSAMA/Akred/S/IX/2023, sehingga kepadanya diberikan :

I J A Z A H

dengan gelar

SARJANA SAINS (S.Si.)

beserta segala hak dan kewajiban yang melekat pada gelar tersebut

Diterbitkan di Semarang pada tanggal 18 September 2025

DEKAN

FAKULTAS SAINS DAN MATEMATIKA



Prof. Dr. KUSWORO ADI, S.Si., M.T.

NIP. 197203171998021001

REKTOR

[Signature]

Prof. Dr. SUHARNOMO, S.E., M.Si.

NIP. 197007221998021002

Dokumen ini diandatangani secara elektronik menggunakan Sertifikat Elektronik yang diterbitkan oleh Balai Sertifikasi Elektronik (BSrE), BSSN



UNIVERSITAS DIPONEGORO

TRANSKRIP AKADEMIK

Nomor : 24720120250150

NAMA : **RENDY ROHIM**

TEMPAT, TANGGAL LAHIR : **PURWAKARTA, 7 APRIL 2003**

NOMOR INDUK MAHASISWA : **24030121140100**

NOMOR UJAZAH NASIONAL : **001008472012025100146**

PROGRAM PENDIDIKAN : **SARJANA**

PROGRAM STUDI : **KIMIA**

TANGGAL LULUS : **15 AGUSTUS 2025**

DAFTAR MATA KULIAH DAN NILAI

NO.	MATA KULIAH	SKS	NILAI
1	KIMIA DASAR 1	3	B
2	FISIKA DASAR 1	2	A
3	KIMIA UNSUR	3	A
4	BIOLOGI DASAR	2	A
5	MATEMATIKA DASAR 1	2	A
6	PRAKTIKUM KIMIA DASAR 1	1	A
7	MANAJEMEN INFORMASI KIMIA	2	A
8	PANCASILA DAN KEWARGANEGARAAN	3	A
9	BAHASA INDONESIA	2	A
10	OLAHRAGA	1	A
11	KIMIA DASAR 2	3	B
12	FISIKA DASAR 2	2	B
13	KIMIA ANALITIK 1	3	A
14	KIMIA ORGANIK 1	2	A
15	DASAR-DASAR KIMIA BIOLOGI	2	B
16	MATEMATIKA DASAR 2	2	C
17	PRAKTIKUM KIMIA DASAR 2	1	A
18	PRAKTIKUM FISIKA DASAR	1	A
19	INTERNET OF THINGS (IOT)	2	B
20	STRUKTUR DAN IKATAN KIMIA	3	B
21	KIMIA ANALITIK 2	3	A
22	KIMIA ANORGANIK 2	3	A
23	PRAKTIKUM KIMIA ORGANIK	1	A
24	PRAKTIKUM KIMIA ANALITIK	1	A
25	PRAKTIKUM KIMIA ANORGANIK	1	A
26	KESELAMATAN LABORATORIUM	2	A
27	KIMIA LINGKUNGAN	2	A
28	GEOKIMIA	2	A
29	STEREOKIMIA	2	A
30	ELEKTROKIMIA	2	A
31	ENERGETIKA KIMIA	3	B
32	KIMIA ANALITIK INSTRUMENTAL 1	2	B
33	KIMIA ANORGANIK 3	3	A
34	KIMIA ORGANIK 3	2	A
35	STRUKTUR DAN FUNGSI BIOMOLEKUL	3	C

NO.	MATA KULIAH	SKS	NILAI
36	Spektroskopi Kimia	2	B
37	Pemisahan Kimia	2	A
38	Kimia Organik Fisik	2	B
39	Praktikum Kimia Fisik	1	A
40	Analisis Pangan	2	B
41	Kimia Material Anorganik	2	A
42	Kinetika Reaksi	3	B
43	Kimia Analitik Instrumental 2	2	B
44	Kimia Anorganik 4	3	B
45	Analisis Organik	2	A
46	Alir Informasi Genetik dan Metabolisme	3	B
47	Termodinamika Kimia	2	B
48	Kemometri	2	B
49	Sintesis Organik	2	A
50	Praktikum Biokimia	1	A
51	Analisis Bahan Industri	2	A
52	Biokimia Medis	2	A
53	Kimia Anorganik 1	3	A
54	Desain Riset	1	A
55	Dinamika Reaksi	2	B
56	Elusidasi Struktur Molekul Senyawa Organik	2	A
57	Praktikum Kimia Terpadu I	2	A
58	Praktik Kerja Lapangan	2	A
59	Bahasa Inggris	2	B
60	Kuliah Kerja Nyata (KKN)	3	A
61	Pendidikan Agama Islam	2	B
62	Kimia Zat Padat	2	B
63	Desain Proses Kimia	2	A
64	Kimia Organik 2	2	B
65	Tugas Riset I: Eksperimentasi Kimia	3	A
66	Kewirausahaan	2	A
67	Elusidasi Struktur Senyawa Anorganik	2	A
68	Kimia Fisik Polimer	2	A
69	Tugas Riset II: Penulisan Skripsi	4	A

SKS KUMULATIF : **147**

IP KUMULATIF : **3,59**

PREDIKAT KELULUSAN : **DENGAN PUJIAN (CUMLAUDE)**



Prof. Dr. Kusworo Adi, S.Si., M.T.

NIP. 197203171998021001

SERTIFIKAT

(Nomor Sertifikat: MN.032.033047.02.2025)

Diberikan kepada:

Nama : *Rendy Rohim*

Tempat Tanggal Lahir : PURWAKARTA, 7 April 2003

Telah mengikuti Program Pemagangan Lulusan Perguruan Tinggi yang dilaksanakan oleh

ZEUS KIMIATAMA INDONESIA

dari tanggal 24 November 2025 s.d. 23 Mei 2026 pada posisi **QC QA ANALYST**

dan dinyatakan telah menyelesaikan Program Pemagangan dengan predikat

SANGAT BAIK.

Jakarta, 25 Mei 2026

Direktur Jenderal
Pembinaan Pelatihan Vokasi dan Produktivitas



Darmawansyah, S.T., M.Si

Director
Zeus Kimiatama Indonesia



Yana Marlianty

Scan to verify



SIAPkerja
oleh Kemnaker

Maganghub
oleh Kemnaker



PEMERINTAH PROVINSI JAWA TENGAH
DINAS KELAUTAN DAN PERIKANAN
BALAI LABORATORIUM PENGUJIAN KESEHATAN IKAN DAN LINGKUNGAN
KELAS A PROVINSI JAWA TENGAH

Jalan Mpu Tantular No. 2 Semarang, Telp / Fax (024) 3514838 e-mail : blpkil.jateng@gmail.com

SERTIFIKAT

NOMOR : 423.4 / 005 / BLPKIL / II / 2024

Diberikan kepada :



Nama : **Rendy Rohim**
Tempat / Tanggal Lahir : Purwakarta, 7 April 2003
Alamat : Bakan Ngantay, RT 001/RW 006, Desa Mekarsari, Kec. Jatisari, Kab. Karawang Provinsi Jawa Barat
NIM : 24030121140100
Prodi Keahlian : Kimia
Sekolah : Universitas Diponegoro Semarang

Telah Melaksanakan Kegiatan Magang di Balai Laboratorium Pengujian Kesehatan Ikan dan Lingkungan Kelas A Provinsi Jawa Tengah
Tanggal 2 Januari 2024 - 12 Februari 2024 dengan Judul "Analisis Kadar Nitrat pada Sampel Air Kolam Budidaya Ikan Nila Mengganggu
Metode Spektrofotometer UV - VIS" Berdasarkan Pengujian di Balai Laboratorium Pengujian Kesehatan Ikan dan Lingkungan
Kelas A Provinsi Jawa Tengah

Semarang, 12. Februari 2024
KEPALA BALAI LABORATORIUM PENGUJIAN
KESEHATAN IKAN DAN LINGKUNGAN KELAS A
PROVINSI JAWA TENGAH



NIP. 19670314 199303 2 007