

LEONI MAHATMA DEA POHAN

CHEMISTRY GRADUATE | LABORATORY ANALYST | QC | QA | R&D | DOCUMENT CONTROLLER

Medan, Sumatera Utara | +62 81376560473 | leonimahatmadea@gmail.com | <https://www.linkedin.com/in/leoni-mahatma>

Bachelor of Chemistry graduate from Universitas Sumatera Utara with hands-on experience as an Inorganic Chemistry Laboratory Assistant and practical exposure to laboratory analysis, sample preparation, chemical reagent preparation, experimental procedures, document filing & archiving, and data management. Skilled in laboratory techniques including titration, pH measurement, melting point analysis, laboratory instrument using centrifuge, autoclave, furnace, and understanding of spectroscopic analysis (AAS, FTIR, UV-Vis, XRF). Familiar with Good Laboratory Practice (GLP), SOP, laboratory safety, K3, and ISO 9001:2015 Quality Management System principles. Detail oriented, analytical, adaptable, and prepared to contribute to Quality Control, Quality Assurance, Laboratory Analyst, or Research & Development functions.

EDUCATION

Bachelor of Chemistry - Universitas Sumatera Utara June 2022 - June 2026

- Bachelor of Chemistry graduate from Universitas Sumatera Utara with a GPA of 3.57/4.00.
- Hands-on experience as an Inorganic Chemistry Assistant with experience in laboratory preparation, experimental procedures, result interpretation, documentation, and laboratory record management. Developed strong attention to detail, data accuracy, and systematic documentation through laboratory activities, supported by knowledge of ISO 9001:2015 and laboratory safety procedures.
- Contributed to an IoT-based Smart Water System project for water quality monitoring through the Program Mahasiswa Berdampak.
- Demonstrated leadership progression from Secretary to Head of Christian Spirituality Division within IMK FMIPA USU.

PROFESSIONAL EXPERIENCE

Inorganic Chemistry Laboratory Assistant - Universitas Sumatera Utara May 2024 - July 2026

- Assisted in the preparation and execution of Inorganic Chemistry laboratory practical sessions for 140+ undergraduate and vocational Chemistry students.
- Prepared chemical reagents, laboratory instruments, and experimental materials according to established laboratory procedures and safety standards.
- Guided students in conducting experiments, applying proper laboratory techniques, and interpreting experimental results.
- Supported laboratory activities involving pH measurement, titration, melting point analysis, and instrumental analysis.
- Managed and organized laboratory documents, records, and reports to ensure accurate and systematic documentation.
- Filed and archived laboratory documents and reports systematically, ensuring documents were properly organized and easy to retrieve when needed.
- Collaborated with lecturers and fellow laboratory assistants to ensure effective and well-organized laboratory sessions.

Private Tutor Chemistry May 2025 - December 2025

- Conducted one-on-one Chemistry tutoring sessions for junior and senior high school students, including international curriculum students.
- Developed personalized learning materials and practice exercises based on students' academic needs.
- Monitored learning progress and adapted teaching strategies to improve students' understanding.

CERTIFICATION AND TRAINING

ISO 9001:2015 Quality Management System (QMS) Awareness Training April 2026
Understanding of ISO 9001:2015 principles and Quality Management System implementation.

PROJECT & ACTIVITIES

Program Mahasiswa Berdampak Project Participant January 2026 - February 2026

- Contributed to revitalization of post-flood fish ponds in Hamparan Perak, Medan.
- Supported the development of an IoT-based Smart Water System for water quality monitoring.
- Collaborated with a multidisciplinary team to implement community engagement and project activities.

LEADERSHIP EXPERIENCES

Staff of Public Relation Division-Youth Ranger Indonesia

February 2024 - March 2025

- Communicated organizational information and updates to the public through relevant communication channels.
- Built and maintained relationships with external audiences and stakeholders.
- Supported initiatives to strengthen the organization's public image
- Supported social media activities to increase organizational visibility and engagement.

Secretary of Christian Spirituality Division-IMK FMIPA USU

September 2024 - May 2025

- Managed divisional administration and documented meeting outcomes by preparing accurate meeting minutes.
- Prepared accountability reports (LPJ) for the division's work programs in a timely and organized manner.
- Supported the coordinator in coordinating team members and ensuring the effective execution of the division's work programs.

Head of Christian Spirituality Division-IMK FMIPA USU

August 2025 - May 2026

- Led and coordinated 13 members of the Christian Spirituality Division of the Chemistry Student Association
- Planned, organized, and evaluated 7 divisional programs and activities.
- Coordinated committee members to ensure effective implementation of work programs and achievement of organizational objectives.

SKILLS

- **Hard Skills: Laboratory & Analytical Skills** (Laboratory Analysis, Sample Preparation, Chemical Reagent Preparation, pH measurement, Titration, Melting Point Analysis), **Laboratory Exposure** (AAS, FTIR, UV-Vis, XRF, XRD), **Document & Data Management** (Document Filing & Archiving, Document Control, Data Entry & Processing, Records Management), **Quality & Safety** (Good Laboratory Practice, Standard Operating Procedure, ISO 9001:2015, Laboratory Health & Safety), **Software** (Microsoft Word, Microsoft Excel, Microsoft PowerPoint).
- **Soft Skills:** Analytical Thinking, Problem Solving, Organizational Skills, Leadership, Communication, Teamwork, Independent Working, Adaptability, Time Management, Attention to Detail.
- **Languages:** Indonesian – Native/Fluent
English – Intermediate

ADDITIONAL INFORMATION

Open to opportunities in Quality Control (QC), Quality Assurance (QA), Laboratory Analyst, Research and Development (R&D), and Management Trainee programs. Willing to relocate for suitable opportunities.

UNIVERSITAS SUMATERA UTARA

Fakultas Matematika dan IPA

KARTU KEMAJUAN MAHASISWA

Student Study Development Form

Nama Mahasiswa / Name of Student : Leoni Mahatma Dea Pohan
 Tempat/Tanggal Lahir / Place and Date of Birth : Medan , 1 Desember 2003
 Nomor Induk Mahasiswa / Registration Number : 220802077
 Departemen/Program Studi / Department / Study Program : Kimia
 Strata / Strata : S-I
 Tanggal Terdaftar / Date of Entry : 24 Juni 2022
 Jumlah SKS / Number of Credit : 146
 Indeks Prestasi Kumulatif / Grade Point Average : 3.57



No	Kode/Code	Nama Mata Kuliah/Course Name	Jumlah SKS/Credits Total	Nilai/Grade
1	BIO1101	Biologi Dasar /Basic Biology	3	B+
2	BIO1102	Praktikum Biologi Dasar /Basic Biology Laboratory Work	1	A
3	FISI101	Fisika Dasar /Basic Physics	3	B+
4	FISI102	Praktikum Fisika Dasar /Basic Physics Laboratory Work	1	B
5	KIM1101	Kimia Dasar /Basic Chemistry	3	A
6	KIM1102	Praktikum Kimia Dasar /Basic Chemistry Laboratory Work	1	B+
7	KWU1101	Pengantar Kewirausahaan /Introduction to Entrepreneurship	3	A
8	MAT1101	Matematika Dasar /Basic Mathematics	3	A
9	USU1102	Agama Kristen Protestan /Protestant Religion	2	A
10	USU1108	Pendidikan Kewarganegaraan /Civics Education	2	B+
11	USU1109	Bahasa Indonesia /Indonesian Language	2	A
12	BIO1204	Etnobotani /Ethnobotany	2	B+
13	KIM1201	Kimia Dasar Lanjutan /Advanced Basic Chemistry	3	B+
14	KIM1202	Kimia Analitik Dasar /Basic Analytical Chemistry	3	B
15	KIM1203	Termodinamika Dasar /Basic Thermodynamics	3	A
16	KIM1204	Kimia Organik Dasar /Basic Organic Chemistry	3	B+
17	SAE1202	Intermediate Speaking /Intermediate Speaking	2	B+
18	SAE1205	Intermediate English Grammar /Intermediate English Grammar	2	B
19	USU1107	Pendidikan Pancasila /Pancasila Education	2	B+
20	BAS2107	Bahasa Mandarin Dasar Percakapan /Basic Chinese (Conversational)	2	A
21	KIM2101	Kimia Elektrokatalisis Dan Terapan /Electroanalytical and Applied Chemistry	3	B+
22	KIM2102	Keseimbangan Kimia /Chemical Equilibrium	3	A
23	KIM2103	Kimia Organik Fisik /Physical Organic Chemistry	2	C+
24	KIM2104	Struktur Senyawa Anorganik /Structure of Inorganic Compounds	3	B
25	KIM2105	Kimia Kuantum /Quantum Chemistry	2	A
26	KIM2106	Biokimia /Biochemistry	3	B
27	SAE 2106	Theories of Literature I /Theories of Literature I	2	B+
28	KIM2201	Kinetika Kimia /Chemical Kinetics	2	B
29	KIM2202	Kimia Analisis Instrumen /Chemical Analysis Instrument	3	A
30	KIM2203	Mekanisme Reaksi Kimia Organik /Organic Chemical Reaction Mechanism	2	B+
31	KIM2204	Dasar Reaksi Anorganik /Basic Inorganic Reaction	3	B
32	KIM2205	Biokimia Lanjutan /Advanced Biochemistry	2	B
33	KIM2206	Kimia Bahan Alam Hayati /Natural Product Chemistry	3	B
34	KIM2207	Kimia Fisika Permukaan /Surface Physical Chemistry	2	B+
35	KIM2208	Kimia Unsur /Elemental Chemistry	2	A
36	KIM3101	Kimia Lingkungan /Chemical environment	2	A
37	KIM3102	Kimia Polimer Dan Material /Polymer and Material Chemistry	3	B
38	KIM3103	Kimia Organik Sintesis /Synthetic Organic Chemistry	3	A
39	KIM3104	Sintesis Kimia Anorganik /Synthesis of Inorganic Chemistry	3	B+
40	KIM3105	Bioteknologi /Biotechnology	2	C+
41	KIM3106	Elusidasi Struktur Senyawa Organik /Structure Elucidation of Organic Compounds	2	B+
42	KIM3107	Metodologi Penelitian /Research methodology	2	B
43	KIM3202	Proses Oleokimia /Oleochemical Process	2	B+
44	KIM3204	Sintesis Kimia Bahan Alam Hayati /Chemical Synthesis of Biological Materials	2	A
45	KIM3206	Mikrobiologi Industri /Industrial Microbiology	2	A
46	KIM3208	Bioorganik /Bioinorganic	2	A
47	KIM3209	Kimia Industri Anorganik Dasar /Basic Inorganic Industrial Chemistry	2	A
48	KIM3210	Kimia Organologam Non-Transisi /Non-Transition Organometallic Chemistry	2	A
49	KIM3212	Proses Industri Kimia /Chemical Industry Process	2	B+
50	KIM3213	Membran Polimer /Polymer Membrane	2	A
51	KIM3214	Pengolahan Kimia Karet /Rubber Chemical Processing	2	B+
52	KIM3215	Kimia Analisis Bahan Makanan Dan Minuman /Chemical Analysis of Food and Beverage Ingredients	2	B+
53	KIM4102	Kimia Organik Parfum dan Flavor /Organic Chemistry of Perfume and Flavor	2	B+
54	KIM4105	Teknik Isolasi Kimia Bahan Alam /Chemical Isolation Engineering of Natural Materials	2	B

Nama Mahasiswa / Name of Student : Leoni Mahatma Dea Pohan
 Nomor Induk Mahasiswa / Registration Number : 220802077
 Department/Program Studi / Department / Study Program : Kimia

No	Kode/Code	Nama Mata Kuliah/Course Name	Jumlah SKS/Credits Total	Nilai/Grade
55	KIM4108	Biokimia Hormon /Hormone Biochemistry	2	A
56	KIM4109	Bahan Pengisi Anorganik /Inorganic Fillers	2	B
57	KIM4110	Kimia Industri Anorganik Terapan /Applied Inorganic Industrial Chemistry	2	B+
58	KIM4111	Kimia Organologam Transisi /Transitional Organometallic Chemistry	2	A
59	KIM4112	Kimia Koordinasi /Coordination Chemistry	2	A
60	KIM4114	Pengolahan Polimer Komersil /Commercial Polymer Processing	2	B+
61	KIM4116	Kimia Analisis Bahan berbahaya di Industri /Chemical Analysis of Hazardous Materials in Industry	2	B+
62	KIM4297	Seminar Proposal /Seminar Proposal	1	A
63	kim4107	Teknologi Enzim /Enzyme Technology	2	B+
64	KIM4298	Seminar Hasil /Research Seminar	1	A
65	KIM4299	Skripsi /Thesis	4	A

Medan, 06 Juli 2026

Ketua Program Studi

Dr. Dr. Sovia Lenny, M.Si

NIP : 197510182000032001

Nilai /Grade	Makna /Meaning
A	Sangat Baik /Excelent
B+	Baik /Good

Nilai /Grade	Makna /Meaning
B	Baik /Good
C+	Cukup /Average

Nilai /Grade	Makna /Meaning
C	Cukup /Average
D	Kurang /Poor



UNIVERSITAS SUMATERA UTARA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

memberikan

PIAGAM PENGHARGAAN

kepada

Leoni Mahatma Dea Pohan

NIM: 220802077

atas pengabdianya sebagai **Asisten Mahasiswa** di **Laboratorium Kimia Anorganik**
dari Mei 2024 s/d Juli 2026

Medan, 21 Agustus 2026

Dekan,

Prof. Dr. Miswar Budi Mulya, S.Si., M.Si.
NIP. 196910101997021002



FAKULTAS MATEMATIKA DAN
ILMU PENGETAHUAN ALAM



Transformation
Towards the Ultimate



DIKTISAINTEK
BERDAMPAK

SERTIFIKAT

Nomor: 4425/UN5.2.8.D/DL.13/2025

Diberikan Kepada:

Leoni Mahatma Dea Pohan

atas partisipasinya dalam Workshop K3 (Keselamatan dan Kesehatan Kerja)
di Laboratorium Program Studi Sarjana Kimia FMIPA USU sebagai :

PESERTA

yang diselenggarakan pada tanggal 21 Agustus 2025 di Ruang Serbaguna FMIPA
Universitas Sumatera Utara



Dekan FMIPA USU

Prof. Dr. Nursahara Pasaribu, M.Sc.
NIP. 196301231990032001



Medan, 21 Agustus 2025

Ketua Program Studi Sarjana Kimia

Prof. Dr. Sovia Lenny, S.Si., M.Si.
NIP. 197510182000032001



PRIMA INDONESIA®Consulting

SERTIFIKAT

NO. 07/PIC/IV/2026

SERTIFIKAT INI DIBERIKAN KEPADA

LEONI MAHATMA DEA POHAN

TELAH MENGIKUTI DAN LULUS

**PELATIHAN AWARENESS ISO 9001:2015
SISTEM MANAJEMEN MUTU**

MEDAN, 17&18 APRIL 2026



M. INDRA GUNAWAN
DIREKTUR

AHMAD FAUZI NST
TRAINER