

RIRIN AGUSTIN

Pemalang Regency, Central Java | ririnagustin1445@gmail.com | 0852-9095-9325

SUMMARY

Chemistry graduate from Universitas Jenderal Soedirman (July 2025) with a strong technical background in analytical, organic, and physical chemistry. Currently serving as a Chemistry Educator at Edulab, demonstrating deep conceptual mastery and the ability to communicate complex scientific data effectively. Proven laboratory competence through an internship at LEMIGAS, backed by ISO certification and hands-on experience in industrial testing protocols. Highly detail-oriented and committed to maintaining rigorous quality standards in laboratory operations, quality control, or research and development roles.

SKILL

- **Laboratory Operations:** Proficient in sample preparation, physicochemical testing, and wet chemistry techniques (Titration, Gravimetry, and Reagent Standardization).
- **Instrumental Analysis:** Hands-on experience with Atomic Absorption Spectroscopy (AAS) and UV-Vis Spectrophotometry.
- **Quality & Food Safety Standards:** In-depth knowledge of HACCP, GMP, ISO 22000, and FSSC 22000 frameworks.
- **Laboratory Management:** Familiar with ISO/IEC 17025 and ISO 9001 standards for laboratory competence and quality management.
- **Health, Safety, & Environment (HSE):** Skilled in implementing laboratory safety protocols and interpreting MSDS (Material Safety Data Sheets).
- **Data Processing:** Advanced proficiency in Microsoft Excel for statistical data analysis and scientific reporting.

CERTIFICATION AND TRAINING

- Integrated Food Safety Management System | 2026 (HACCP, GMP, ISO 22000:2018, & FSSC 22000)
- K3 Laboratory Safety Training | 2025
- Workshop on General Application of Molecular Spectroscopy | 2024
- ISO/IEC 17025:2017 Training | 2023

EDUCATION

Bachelor of Science in Chemistry

Universitas Jenderal Soedirman - Purwokerto

August 2021 - July 2025 | GPA : 3,72

LABORATORY EXPERIENCE

Laboratory Teaching Assistant, Universitas Jenderal Soedirman (Aug 2024 - Jun 2025)

- Supervised 500+ students in Organic Chemistry I & II, TLKO, Biotechnology, and General Chemistry; oversaw complex synthesis and strict K3 safety protocols
- Managed lab setups and evaluated reports to ensure high standards of analytical data interpretation and accuracy

Chemical Analyst Intern, BBPMGB Lemigas (Aug 2023 - Dec 2023)

- Conducted physical and chemical tests on lubricants (TBN, AAS, viscosity, pour point, flash point, oil separation, sulfated ash)
- Assisted in method validation and internal audits to ensure compliance with quality standards

Laboratory Analyst Intern, Labkesmas Banyumas (July 2023)

- Performed water quality tests (pH, TDS, turbidity, nitrate, phosphate, BOD, COD)
- Recorded and documented results in accordance with standard procedures

RESEARCH & PUBLICATIONS

Undergraduate Thesis - Universitas Jenderal Soedirman (2025)

"Formulation of Nanoemulsion of Nutmeg Seed Essential Oil Fraction with MES Surfactant from Ketapang Seed Oil as Antifungal against *Malassezia furfur*"

- Optimized formulation through 8 comprehensive parameters, including UV-Vis, PSA, Viscosity, and pH tests to ensure high-standard quality
- Conducted formulation analysis and purity testing via GC-MS; successfully evaluated antifungal activity against *Malassezia furfur*

Scientific Publications - Jurnal Pengabdian Masyarakat Bangsa (2025)

"Primary Innovation in Robusta Coffee Agribusiness to Enhance Regional Superior Products of Brebes Regency"

- Optimized production capacity to 250 kg/h and improved quality standards through PM-UPUD technology grants

Scientific Publications - Jurnal Serambi Abdimas (2025)

"Improving Coffee Agribusiness with Robusta Coffee Study Extension for Monthly MSMEs and Guwek Coffee MSMEs in Salem-Brebes District"

- Collaborated in a cross-functional team (PMUPUD) to conduct field research and technical outreach, resulting in an 18% increase in participants understanding of coffee pest management

PROFESSIONAL EXPERIENCE

Chemistry Educator, PT Kreasi Edulab Indonesia (Sep 2025 - Present)

- Delivered comprehensive Chemistry and Science curriculum for diverse student levels (Grade 9 to Grade 12), ensuring fundamental mastery and advanced analytical preparation for university entrance
- Appointed to manage staff shifting schedules and coordinate daily operations to maintain branch efficiency
- Managed student academic databases, ensuring 100% data accuracy for periodic evaluation reports
- Actively participated in roadshows and branch support activities, providing clear information about educational programs to prospective students and parents

ORGANIZATIONAL EXPERIENCE

Head of Division - IMP Unsoed (2023 - 2024)

Organized entrepreneurship programs and coordinated team activities

Staff - Himabisi KIP-K Unsoed (2022 - 2024)

Managed external partnerships and student welfare advocacy

OTHER EXPERIENCE

Community Service Assistant – PM UPUD, Universitas Jenderal Soedirman (Sep 2024 - Sep 2025)

- Assisted lecturers in delivering workshops and collected data for community empowerment

KOL Specialist, Linguo.id (Aug 2023 - Nov 2023)

- Coordinated with influencers for product campaigns
- Managed influencer database and outreach to boost brand engagement

Health & Nutrition Promoter, Tiens Group (Aug 2019 - Nov 2019)

- Promoted health products and provided education to customers
- Assisted in direct marketing and customer engagement

CLICK HERE TO VIEW MY FULL LABORATORY PORTFOLIO

<https://bit.ly/Portofolio-RirinAgustin>



**KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI**
UNIVERSITAS JENDERAL SOEDIRMAN

AKREDITASI "Unggul"

Nomor : 1751/SK/BAN-PT/Ak.KP/PT/IX/2024

Dengan ini menyatakan bahwa :

RIRIN AGUSTIN

NIM K1A021009

NIK 3327105108030006

lahir di **Pemalang** tanggal **11 Agustus 2003** telah menyelesaikan dan memenuhi segala syarat Pendidikan
Program Sarjana pada Program Studi **Kimia** tanggal **25 Juli 2025** oleh sebab itu
kepadanya diberikan gelar

SARJANA SAINS (S.Si.)

beserta segala hak dan kewajiban yang melekat pada gelar tersebut

Purwokerto tanggal **26 Juli 2025**

DEKAN

Fakultas Matematika dan Ilmu Pengetahuan Alam



Prof. Dr. Budi Pratikno, M.Stat.Sci., Ph.D.
NIP 196404241990021002



REKTOR



Prof. Dr. Ir. Akhmad Sodik, M.Sc.Agr., IPU., ASEAN Eng.
NIP 196901281994031004



KEMENTERIAN PENDIDIKAN TINGGI, SAINS, DAN TEKNOLOGI
UNIVERSITAS JENDERAL SOEDIRMAN
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

Jalan dr. Soeparno Utara 61 Grendeng Purwokerto 53122
Telp. 0281 638793 Email : fmipa@unsoed.ac.id Laman :http//fmipa.unsoed.ac.id

DAFTAR NILAI

Nama : RIRIN AGUSTIN
Nomor Induk Mahasiswa : K1A021009
Tempat dan Tanggal Lahir : PEMALANG, 11 Agustus 2003
Fakultas : Matematika dan Ilmu Pengetahuan Alam
Jurusan : Kimia
Program Studi : Kimia
Derajat Kesarjanaan : S1

NO	Kode	Mata Kuliah	Kredit (K)	Nilai (N)	Angka (A)	K x A
1	UNO1001	Pendidikan Pancasila	2	A	4	8
2	UNO1002	Pendidikan Agama Islam	2	AB	3.5	7
3	PA1001	Bahasa Inggris	2	A	4	8
4	UNO1007	Kewarganegaraan	2	A	4	8
5	UNO1008	Jati Diri UNSOED	2	AB	3.5	7
6	UNO1010	Bahasa Indonesia	2	AB	3.5	7
7	PAK211001	Fisika	2	A	4	8
8	PAK211002	Matematika	2	AB	3.5	7
9	PAK 211101	Kimia	4	AB	3.5	14
10	PAK211101P	Praktikum Kimia	1	A	4	4
11	PAK211501	Kimia Unsur	2	A	4	8
12	PAK211501P	Praktikum Kimia Unsur	1	AB	3.5	3.5
13	PAK 211201	Kimia Organik I	3	BC	2.5	7.5
14	PAK211201P	Praktikum Kimia Organik I	1	B	3	3
15	PAK211302	Kimia Fisik	3	A	4	12
16	PAK211401	Kimia Analitik Dasar	3	A	4	12
17	PAK211401P	Praktikum Kimia Analitik Dasar	1	A	4	4
18	PAK 211402	Kimia Pemisahan	2	AB	3.5	7
19	PAK211402P	Praktikum Kimia Pemisahan	1	A	4	4
20	PAK211502	Struktur Senyawa Anorganik	2	AB	3.5	7
21	PAK213702	Metodologi Penelitian	2	A	4	8
22	PAK211503	Dasar Reaksi Anorganik	2	AB	3.5	7
23	PAK211503P	Praktikum Dasar Reaksi Anorganik	1	AB	3.5	3.5
24	PAK211601	Biokimia	2	A	4	8
25	PAK212202	Kimia Organik II	3	B	3	9
26	PAK211601P	Praktikum Biokimia	1	AB	3.5	3.5
27	PAK212202P	Praktikum Kimia Organik II	1	A	4	4
28	PAK211701	Literatur Kimia	1	AB	3.5	3.5
29	PAK212302	Kimia Komputasi	3	A	4	12
30	PAK212301P	Praktikum Kimia Fisik	1	A	4	4
31	PAK212303	Kimia Fisik Lanjut	3	B	3	9
32	PAK212403	Elektrometri	2	A	4	8
33	PAK212404	Spektrometri	2	B	3	6
34	PAK212403P	Praktikum Elektrometri dan Spektrometri	1	A	4	4
35	PAK212504	Kimia Koordinasi	2	A	4	8
36	PAK212504P	Praktikum Kimia Koordinasi	1	A	4	4
37	PAK212602	Metabolisme	2	AB	3.5	7
38	PAK212603	Biokimia Fisik	2	A	4	8
39	PAK212603P	Praktikum Biokimia Fisik	1	A	4	4
40	PAK212203	Mekanisme Reaksi Organik	2	C	2	4
41	PAK212204	Elusidasi Struktur Senyawa Organik	2	AB	3.5	7

NO	Kode	Mata Kuliah	Kredit (K)	Nilai (N)	Angka (A)	K x A
42	PAK212302P	Praktikum Kimia Komputasi	1	A	4	4
43	PAK212303P	Praktikum Kimia Fisik Lanjut	1	A	4	4
44	PAK212304	Kimia Kuantum	3	AB	3.5	10.5
45	PAK212505	Mekanisme Reaksi Anorganik	2	B	3	6
46	PAK212604	Bioteknologi	2	A	4	8
47	PAK212604P	Praktikum Bioteknologi	1	A	4	4
48	PAK 212602P	Praktikum Metabolisme	1	A	4	4
49	PAK213205	Sintesis Kimia Organik	2	A	4	8
50	PAK213704	Statistika Kimia	3	A	4	12
51	UNO4009	Kuliah Kerja Nyata (KKN)	3	A	4	12
52	PAK210209	Kimia Bahan Alam	2	A	4	8
53	PAK210212	Kimia Minyak Atsiri	2	A	4	8
54	PAK 210305	Kimia Polimer	2	A	4	8
55	PAK 210306	Kimia Permukaan	2	A	4	8
56	PAK 210409	Analitik Lingkungan	2	A	4	8
57	PAK 210410	Analisis Zat Aditif	2	A	4	8
58	PAK 210608	Enzimologi	2	A	4	8
59	PAK 213703P	Praktek Kerja Lapangan	2	A	4	8
60	PAK210412	Kapita Seleкта Kimia Analitik	2	A	4	8
61	PAK210207	Teknik Laboratorium Kimia Organik	2	A	4	8
62	PAK210207P	Praktikum Teknik Laboratorium Kimia Organik	1	A	4	4
63	PAK 210208	Kimia Medisinal	2	A	4	8
64	PAK210210	Stereokimia_dell	2	AB	3.5	7
65	PAK210211	Kapita Seleкта Kimia Organik	2	AB	3.5	7
66	PAK210310	Sains Bahan	2	B	3	6
67	PAK210312	Kimia Keramik dan Komposit	2	A	4	8
68	PAK210405	Kromatografi	2	B	3	6
69	PAK210408	Kimia Lingkungan	2	A	4	8
70	PAK210411	Pengendalian dan Jaminan Mutu Kimia	2	A	4	8
71	PAK210212	Identifikasi Senyawa Bahan Alam	2	AB	3.5	7
72	PAK214703	Tugas Akhir	5	A	4	20
73	PAK214705	Pendadaran	1	C	2	2
74	UNP3002	Keterampilan Belajar	3	A	4	12
75	PAK210605	Instrumentasi Bioanalisis	2	A	4	8
76	PAK 210606	Produksi Senyawa Bioaktif	2	A	4	8
77	UNP3005	Komunikasi Efektif dan Negosiasi	3	A	4	12
78	UNP3006	Desain Berpikir Kritis, Kreatif dan Inovatif	3	A	4	12
		J u m l a h	154			573

Indeks Prestasi Kumulatif : 3.72

Jumlah Nilai :

- A : 50
- AB : 18
- B : 7
- BC : 1
- C : 2
- CD : 0
- D : 0

Purwokerto, 21 Juli 2025
Wakil Dekan Bidang Akademik


Prof. Wahyu Tri Cahyanto, S.Si., M.Si., Ph.D.
197812032003121001

MAKIN AHLI



CERTIFICATE

1214/AP-OP4/MA/III-2026

This Certificate is Proudly Presented to

Ririn Agustin, S.Si.

Has successfully completed training

**FSSC 22000 version 6.0
(Food Safety System Certification)**

On March 08, 2026



Ariyani Wastika Mukti, S. Si

Head of Learning and Development

Sanjaya, B.Sc.

Trainer

www.makinahli.com

MAKIN AHLI



CERTIFICATE

1214/AP-OP3/MA/III-2026

This Certificate is Proudly Presented to

Ririn Agustin, S.Si.

Has successfully completed training

ISO 22000:2018
(Food Safety Management System)

On March 08, 2026



Ariyani Wastika Mukti, S. Si

Head of Learning and Development

Sanjaya, B.Sc.

Trainer

www.makinahli.com

MAKIN AHLI



CERTIFICATE

1214/AP-OP2/MA/III-2026

This Certificate is Proudly Presented to

Ririn Agustin, S.Si.

Has successfully completed training

**HACCP (Hazard Analysis and
Critical Control Point)**

On March 07, 2026



Ariyani Wastika Mukti, S. Si

Head of Learning and Development

Sanjaya, B.Sc.

Trainer

www.makinahli.com

MAKIN AHLI



CERTIFICATE

1214/AP-0P1/MA/III-2026

This Certificate is Proudly Presented to

Ririn Agustin, S.Si.

Has successfully completed training

GMP (Good Manufacturing Practices)

On March 07, 2026



Ariyani Wastika Mukti, S. Si

Head of Learning and Development

Sanjaya, B.Sc.

Trainer

www.makinahli.com



SERTIFIKAT

PELATIHAN

KEMENTERIAN ENERGI SUMBER DAYA MINERAL
REPUBLIK INDONESIA

BALAI BESAR PENGUJIAN MINYAK DAN GAS BUMI

LEMIGAS

DIBERIKAN KEPADA

Ririn Agustin

Sebagai:

PESERTA

Pelatihan

Pemahaman Persyaratan Umum Kompetensi Laboratorium Pengujian dan Kalibrasi
Sesuai ISO/IEC 17025:2017

Kepala BBE-MIGAS LEMIGAS



Ariana Soesanto

Yang diselenggarakan di LEMIGAS pada tanggal
26 September 2023

Certificate

No. 008/2411-26/ASD/CoT

hereby certify that

RIRIN AGUSTIN

Has successfully completed workshop:

General Application of Molecular Spectroscopy

Held on November 26, 2024

At Universitas Jenderal Soedirman

Faculty of Mathematics and Natural Science

Jl. DR. Soeparno No.61, Kabupaten Banyumas, Jawa Tengah 53122

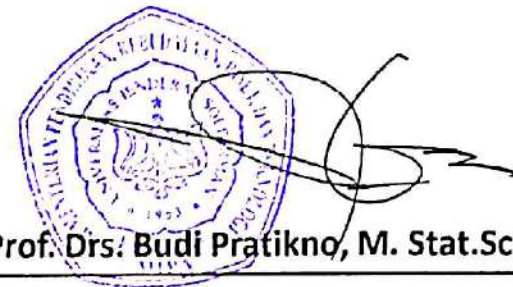
thermo
scientific

Authorized Distributor



Adi Purwanto

Senior Manager
PT. Alphasains Dinamika



Prof. Drs. Budi Pratikno, M. Stat.Sci., Ph.D.

Dekan FMIPA
Universitas Jenderal Soedirman



Fakultas Matematika dan Ilmu Pengetahuan Alam
Universitas Jenderal Soedirman

SERTIFIKAT

2254/UN23.15/DL.17/2025

Sertifikat ini diberikan kepada :

Ririn Agustin

sebagai **Peserta** dalam kegiatan “Pelatihan Keselamatan dan Kesehatan Kerja (K3) bagi Mahasiswa Kimia Unsoed”
pada tanggal 4 Juli 2025

Dekan
Fakultas Matematika dan Ilmu Pengetahuan Alam



Prof. Drs. Budi Pratikno, M.Stat.Sci., Ph.D.

NIP 19640424 199002 1002



UPTD LABORATORIUM KESEHATAN KABUPATEN BANYUMAS



SERTIFIKAT

Diberikan kepada:

Ririn Agustin

Telah menyelesaikan Praktik Kerja Lapangan (PKL) Departemen Kimia di UPTD Laboratorium
Kesehatan Kabupaten Banyumas
Terhitung tanggal 3 Juli sampai dengan 28 Juli 2023

Kepala UPTD Laboratorium Kesehatan
Kabupaten Banyumas



Aris Budianto, SKM.

NIP. 19671222 199403 1 003