

ALFI RIZKA

CHEMICAL ANALYST

Jakarta, Indonesia | +6283844059831 | alfirizka20@gmail.com | LinkedIn : **ALFI RIZKA**



SUMMARY

Chemical Analyst and graduate of SMK-SMAK Padang with a deep understanding of both conventional and instrumental analysis. Possesses solid internship experience in BA/BE laboratories, specializing in drug testing within biological samples as well as assay and impurity testing using advanced LC-MS/MS instrumentation. A highly honest and adaptive professional, capable of working effectively in shifts, both independently and within a team. Accustomed to working meticulously and systematically in compliance with GLP standards to ensure data integrity

PROFESSIONAL EXPERIENCE

Pharmaceutical Quality Control Analyst Internship - Pharma Metric Labs Aug 2025 - Mei 2026

- Conducted high-precision analyses for over 15 drug compounds utilizing LC-MS/MS and processed more than 250 biological samples employing LLE and protein precipitation techniques.
- Contributed to the R&D and validation of 4 analytical methods (Ticagrelor, Thiamazole, Dexketoprofen, and Glipizide) and performed routine Internal Quality Control (IQC) in strict adherence to GLP (Good Laboratory Practice) standards.
- Performed serial dilutions for calibration curves, consistently achieving high precision with a relative deviation (%Diff) of <15%, ensuring method linearity and accuracy.
- Executed high-sensitivity testing for Nitrosamine impurities (NDMA/NDEA) across 200+ samples and conducted cleaning validation/residue analysis for 7+ APIs to mitigate cross-contamination risks.
- Demonstrated technical proficiency in LC-MS/MS principles and operated LC-MS/MS systems for drug analysis in biological matrices, assays, and impurity profiling, managed complex running sequences with a 100% Incurred Sample Reanalysis (ISR) success rate, guaranteeing data reproducibility.
- Prepared mobile phases and reagents while performing daily verification of critical lab equipment (Analytical Balances and pH meters) to ensure measurement traceability.
- Managed 10+ laboratory logbooks and Analytical Result Reports with 100% compliance with ALCOA+ standards, ensuring data integrity and audit readiness.
- Ensured biological sample integrity and rigorous handling protocols in accordance with GCP (Good Clinical Practice) during extraction and analysis phases.

EDUCATION

SMK SMAK PADANG - Analytical Chemistry

Jul 2022 - Mei 2026

Average Value : 92,91 / 100

Final Project: Preparation and analysis of purple sweet potato syrup with the incorporation of lime juice.

- Determined sugar content via Luff Schoorl method and monitored pH levels.
- Evaluated safety using Total Plate Count (TPC)
- Conducted Hedonic testing for consumer preference analysis.

CERTIFICATION

- KKNI Level III BNSP certificate awarded by LSP SMK SMAK Padang. Proficient in ten clusters, specifically: Gravimetry, Volumetric Analysis, Proximate Analysis, Microbiology, UV-Vis Spectrophotometry, HPLC, Sampling, Non-instrumental Physical Analysis, Gas Chromatography, and Atomic Absorption Spectrophotometry.

CERTIFICATION

- Certificate III in Laboratory Training and Assessment offered by Hobart Technology comprises four clusters: Microbiology, Volumetry, Water Sampling, and Atomic Absorption Spectrophotometry.
- Achievement Motivation Training - SMK SMAK PADANG
- Test of English for International Communication (TOEIC) - ITI of Padang
- Good Laboratory Practice - Webinar Presented by Labmania Indonesia
- Advance LC-MS: Method Development and Validation Training - Webinar Presented by Teman Group

SKILLS

HARD AND SOFT SKILLS

- Highly skilled in operating and troubleshooting complex analytical instruments, including LC-MS/MS, HPLC, GC, AAS, and UV-Vis Spectrophotometry.
- Proficient in fundamental quantitative analysis, specifically Gravimetric and Volumetric (Titrimetric) analysis.
- Competent in conducting microbiological analysis such as Total Plate Count (TPC), Disc Diffusion (Antibiotic Sensitivity), and Coliform testing to ensure product safety and quality.
- Proficient in performing proximate analysis (moisture, ash, protein, fat, and carbohydrate content) and physicochemical testing to determine product specifications and quality.
- Comprehensive understanding and practical implementation of CPOB and International Standards, including ISO 17025 dan ISO 9001.
- Deep knowledge of GLP (Good Laboratory Practice), GCP (Good Clinical Practice), and GDocP (Good Documentation Practice) to maintain data integrity and operational excellence.
- Expert in Microsoft Office Suite (Word, Excel, PowerPoint) for advanced data processing, statistical analysis of test results, and professional reporting/presentations.
- Detail-oriented, honest, and highly systematic professional with a proven ability to thrive in fast-paced, shift-based environments.
- A proactive team player and fast learner with strong communication skills, capable of adapting quickly to new laboratory environments and evolving technical protocols.



SURAT KETERANGAN LULUS
NOMOR 1167/BPSDMI/SMAKPA/PPN/2026

Yang bertanda tangan di bawah ini,

Nama	: Drs. Nasir
NIP	: 196605042002121001
Jabatan	: Plt. Kepala Sekolah Menengah Kejuruan – SMAK Padang

Dengan ini menerangkan bahwa

Nama	: ALFI RIZKA
Tempat, Tanggal Lahir	: Padang, 20 Agustus 2007
Nomor Induk Siswa	: 227987
Nomor Induk Siswa Nasional	: 0072906209
Bidang Keahlian	: Teknologi Manufaktur dan Rekayasa
Program Keahlian	: Kimia Analisis
Konsentrasi Keahlian	: Kimia Analisis

berdasarkan Kriteria Kelulusan Peserta Didik Dari Satuan Pendidikan Tahun Ajaran 2025/2026, serta berdasarkan Hasil Rapat Dewan Guru SMK - SMAK Padang tanggal 4 Mei 2026, maka siswa tersebut dinyatakan :

L U L U S

Demikianlah surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Padang, 4 Mei 2026
Plt. Kepala SMK - SMAK Padang,


Nasir

**TRANSKRIP NILAI
NOMOR 1428/BPSDMI/SMAKPA/PP/V/2026**

Satuan Pendidikan : SMK - SMAK Padang
Nomor Pokok Sekolah Nasional : 10307616
Nama Lengkap : ALFI RIZKA
Tempat, Tanggal Lahir : Padang, 20 Agustus 2007
Nomor Induk Siswa Nasional : 0072906209
Nomor Ijazah : 6929
Tanggal Kelulusan : 4 Mei 2026
Program Keahlian : Kimia Analisis
Konsentrasi Keahlian : Kimia Analisis

No.	Mata Pelajaran	Nilai
A.	Kelompok Mata Pelajaran Umum	
1	Pendidikan Agama dan Budi Pekerti	90
2	Pendidikan Pancasila	92
3	Bahasa Indonesia	91
4	Pendidikan Jasmani, Olahraga, dan Kesehatan	94
5	Sejarah	89
6	Seni Budaya	94
B.	Kelompok Mata Pelajaran Kejuruan	
1	Matematika	94
2	Bahasa Inggris	94
3	Informatika	89
4	Projek Ilmu Pengetahuan Alam dan Sosial	
	a. Kimia	95
	b. Fisika	97
5	Dasar-dasar Kimia Analisis	
	a. Analisis Kimia Dasar	94
	b. Teknik Dasar Pekerjaan Laboratorium Kimia	92
	c. Analisis Gravimetri	90
	d. Analisis Titrimetri	95
6	Kimia Analisis	
	a. Analisis Konstanta Fisik	91
	b. Analisis Kimia Instrumen	94
	c. Analisis Mikrobiologi	95
	d. Melaksanakan Sampling	94
	e. Analisis Bahan Organik	95
	f. Analisis Bahan Anorganik	91
	g. Pengelolaan Laboratorium	95
	h. Analisis Kimia Instrumen (Spektrofotometri)	95
	i. Analisis Kimia Instrumen (AAS)	92
	j. Analisis Kromatografi	87
	k. Analisis Kimia Instrumen (HPLC)	93
	l. Analisis Kimia Instrumen (GC)	97
	m. Analisis Kimia Terpadu	92
7	Projek Kreatif dan Kewirausahaan	90
8	Praktik Kerja Lapangan	96
9	Mata Pelajaran Pilihan	
	a. Bahasa Mandarin	97
	b. Dasar-dasar Industri 4.0	92
	c. Analisis Kimia Klinis	89
C.	Muatan Lokal	
	a. Keminangkabauan	94
	Rata-rata	92,91

Padang, 4 Mei 2026
Plt. Kepala SMK - SMAK Padang,

Nasir