



MUHAMAD ZULCHOIR RASYID RIDHO

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Jl. Kalibaru Timur XI Cilincing North Jakarta

A Chemical Analyst graduate, who has experience in conducting chemical, physical, and mechanical testing and has been involved in the ISO 17025 accreditation process

Work Experiences

PT Carsurin Tbk - Tangerang, Indonesia

May 2024 - Present

Analyst Lab BEV

- Conduct detailed tests and analyses on battery electric vehicle, following established protocols and procedures
- Operate and handle various laboratory testing equipment and instruments with proficiency and care
- Participate in quality control processes, ensuring that testing meets the required standards and protocols
- Ensuring accurate data collection and interpretation in line with established testing protocols and interpret results to ensure reliability and accuracy
- Maintain accurate and organized records of tests, including methodologies, results, and any deviations from protocols
- Maintain cleanliness of equipment and surroundings
- Proactively reporting unwanted matters related with equipment, and comply with safety requirements
- Provide feedback and suggestions for improving testing processes and efficiency based on practical experiences

PT. Lautan Organo Water - Bekasi, Indonesia

Dec 2022 - May 2024

Analyst Staff

- Did waste water sampling at several points
- Analyze Total Nitrogen, Total Phosphate, COD, Volatile Fatty Acid, Ammonia, Nitrate, Nitrite, and Alkalinity, also check TSS, DO, pH value, Temperature, Conductivity, and Turbidity of sample
- Perform calibration on pH meter, Conductivity meter, and DO meter. Also carry out jar test if necessary
- Coordinating the results of analysis with leaders and operators in plant

RCChem Learning Center, PT - Bandung, Indonesia

Feb 2022 - Mar 2022

Analyst Internship

- Did the analysis of TSS, DO, BOD, and COD according to SNI
- Learned about how to do water and air sampling techniques
- Made analysis reports

Perusahaan Umum Percetakan Uang Republik Indonesia (Perum Peruri) - Karawang, Indonesia

Feb 2019 - Jul 2019

Helper Khazanah & Verification

- Worked at Banknote Department, Khazanah Completion Division as Serial Number Corrector
- Replaced the damaged serial banknotes
- Filled out daily production report

Education Level

Bandung State Polytechnic - Bandung, Indonesia

Aug 2019 - Aug 2022

Associate of Chemical Analyst, 3.88/4.00

- Learned about Basic of Analytical Chemistry, Chemical Statistics, Chemical Industrial Process, Spectrophotometry, Chromatography, Analytical Microbiology, Biotechnology, Food Chemistry, Pharmaceutical Chemistry, Laboratory Quality Management, Process Analytics, Polymer, Sampling Technique, Industrial Waste Treatment, Conventional and Instrumental Analysis and also how to maintain the Analytical Instruments.
- Experienced in operating Analytical Instruments such as Spectrophotometer UV/VIS and AAS, GC, 848 Titrino Plus, pH meter, Conductometer, SDS-PAGE, Autoclave, Centrifuge, Laminar Air Flow, and etc.
- Final Project: Application of Gold Nanoparticles for the Making of scFv Conjugates in Colorimetric Detection Systems for Chikungunya Virus.

Skills, Achievements & Other Experience

- **Hard Skills:** Laboratory skill • Can Operate Microsoft Office (Word, PowerPoint, and Excel), Laboratory Equipment, and also Analytical Instruments such as Spectrophotometer UV/VIS, AAS, and etc • English (Intermediate), TOEIC Score: 775/990
- **Soft Skills:** Analytical skill • Time & Task Management • Flexible & Adaptive • Detail-oriented • Can work in a Team and Independently
- **Achievements:** Best Graduate of Bandung State Polytechnic Diploma III Program 2022 • Adaro Scholarship Awardee 2021 • Baznas Basis DKI Jakarta Scholarship Awardee 2020 • Most Outstanding Student of Chemical Analyst Polban 2020



TRANSKRIP AKADEMIK

POLITEKNIK NEGERI BANDUNG

Nomor Ijazah : 244022022000191
Nama : Muhamad Zulchoir Rasyid Ridho
NIM : 191431012
Tempat Lahir : Jakarta
Tanggal Lahir : 24 September 1998
Jurusan : Teknik Kimia
Program : Diploma 3
Program Studi : Analis Kimia

Nomor Transkrip : TR-244022022000191
Tahun Diterima : 2019
Tanggal Lulus : 4 Juli 2022



NO	MATA KULIAH	SKS	NILAI
1.	Pendidikan Pancasila	2	A
2.	Pendidikan Agama	2	A
3.	Kimia Dasar	3	A
4.	Pengelolaan Alat dan Bahan	2	A
5.	Kimia Anorganik	3	AB
6.	Matematika Terapan	2	A
7.	Fisika Terapan	2	A
8.	K3 Laboratorium	2	A
9.	Bahasa Indonesia	2	A
10.	Pendidikan Kewarganegaraan	2	A
11.	Kimia Organik	4	A
12.	Kimia Fisik	3	A
13.	Statistika Kimia	2	A
14.	Kimia Analitik Dasar	4	A
15.	Aplikasi Komputer	2	A
16.	Proses Industri Kimia	2	A
17.	Bahasa Inggris 1	2	AB
18.	Instrumentasi Pengukuran	3	AB
19.	Spektrofotometri	4	A
20.	Elektroanalitik	4	A

NO	MATA KULIAH	SKS	NILAI
21.	Mikrobiologi Analitik	4	A
22.	Kimia Bahan Alam	3	A
23.	Bahasa Inggris 2	2	AB
24.	Bioteknologi	3	B
25.	Kromatografi	4	A
26.	Perawatan Instrumentasi Analitik	2	AB
27.	Kimia Farmasi	4	A
28.	Kewirausahaan	2	A
29.	Kimia Polimer	2	AB
30.	Teknik Sampling	2	A
31.	Etika Profesi dan Kapita Selekta	2	A
32.	Analitik Proses	3	A
33.	Analitik Terpadu	4	AB
34.	Pengolahan Limbah Industri	4	A
35.	Manajemen Mutu Laboratorium	2	A
36.	Kimia Pangan	4	A
37.	Pengenalan Teknik Kimia	2	AB
38.	Kerja Praktek	4	A
39.	Tugas Akhir	4	A
40.	Pilihan	1	A

JUDUL TUGAS AKHIR : PEMANFAATAN KONJUGAT NANOPARTIKEL EMAS - FRAGMEN VARIABEL RANTAI TUNGGAL ANTIVIRUS CHIKUNGUNYA UNTUK DETEKSI PROTEIN EPITOPE ENVELOPE 2 VIRUS CHIKUNGUNYA SECARA KOLORIMETRI

HURUF MUTU	A	AB	B	BC	C	CD	D	E
ANGKA MUTU	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.0

Satuan Kredit Semester (SKS) : 110
Indeks Prestasi Kumulatif (IPK) : 3.88

Predikat :DENGAN PUJIAN

Wakil Direktur Bidang Akademik,

Prof. Dr. Ir. Noor Cholis Basjaruddin, M.T.
NIP. 196706201994031003

Bandung, 18 Juli 2022

Direktur,



Dr. Ir. Rachmad Imbang Tritjahjono, M.T.
NIP. 196003161987101001



POLITEKNIK NEGERI BANDUNG

(Surat Keputusan Direktur Jenderal Pendidikan Tinggi RI Nomor: 03/DJ/KEP/1979, 27 Januari 1979)
Decree of Directorate General of Higher Education of the Republic of Indonesia, Number 03/DJ/KEP/1979, 27 Januari 1979

Status Akreditasi : "A" (No. 10/SK/BAN-PT/Ak-PPJ/PT/1/2022)
Status of Accreditation

Nomor Ijazah : 244022022000191
Certificate Number



Menyatakan Bahwa
hereby certifies that

Muhamad Zulchoir Rasyid Ridho

Nomor Induk Mahasiswa 191431012

Student's Identification Number 191431012

lahir pada tanggal 24 September 1998 di Jakarta, Nomor Induk Kependudukan 3172042409980006

Born on 24 September 1998 in Jakarta, National Identity Number 3172042409980006

telah menyelesaikan program pendidikan Diploma 3 pada Jurusan Teknik Kimia

has completed the programme of Diploma 3 at Department of Chemical Engineering

Program Studi Analis Kimia pada tanggal 4 Juli 2022

at Study Programme of Chemical Analysis on 4 July 2022

Oleh sebab itu, kepadanya diberikan gelar

Therefore, the person mentioned is awarded the degree of

Ahli Madya Kimia (A.Md.Si.)

beserta segala hak dan kewajiban yang melekat pada gelar tersebut

and holds all the embedded rights and responsibilities for that degree

Diterbitkan di Bandung, tanggal 18 Juli 2022

Issued in Bandung, on 18 July 2022

Wakil Direktur Bidang Akademik,

Vice Director for Academic Affairs,

Prof. Dr. Ir. Noor Cholis Basjaruddin, M.T.
NIP. 196706201994031003



Direktur,

Director,

Dr. Ir. Rachmad Imbang Tritjahjono, M.T.
NIP. 196003161987101001

Ijazah ini diberikan berdasarkan Surat Keputusan Direktur Politeknik Negeri Bandung Nomor : B/456/PL1/HK.02.00/2022
This certificate was given in accordance with the Decree of the Director of Politeknik Negeri Bandung Number

CERTIFICATE

This is to certify that:

MUHAMAD ZULCHOIR RASYID RIDHO

Has Successfully Completed

"TRAINING OF ISO 17025 AND VALIDATION OF UV/VIS AND AAS SPECTROPHOTOMETRIC METHODS"
(PELATIHAN ISO 17025 DAN VALIDASI METODE SPEKTROFOTOMETRI UV/VIS DAN AAS)

Which was conducted :

This 18th – 22nd day of July 2022

PT TRI PRAMITHA **FASTINDO**

The logo for Fastindo, featuring a stylized 'F' and 'I' in red and black, with the word 'fastindo' in red lowercase letters.

Servia Ratri Yuliyanti S.Kom

DIRECTOR



POLBAN

POLITEKNIK NEGERI BANDUNG

Piagam Penghargaan

Nomor B/1830.5/PL1.R1/KM.08.04/2022

Politeknik Negeri Bandung memberikan penghargaan kepada :

Nama : **Muhamad Zulchoir Rasyid Ridho**
NIM : 191431012
Jurusan : Teknik Kimia
Program Studi : D3-Analis Kimia
IPK : **3,88**

atas prestasinya sebagai **LULUSAN TERBAIK** Program **DIPLOMA-3** Bidang **REKAYASA** Tahun Akademik 2021/2022.

Bandung, 3 Agustus 2022

Wakil Direktur Bidang Akademik



Prof. Dr. Ir. Noor Choliz Basjaruddin, M.T.
NIP 196706201994031003



POLBAN

POLITEKNIK NEGERI BANDUNG

Piagam Penghargaan

Nomor B/1829.408/PL1.R1/KM.08.04/2022

Politeknik Negeri Bandung memberikan penghargaan kepada :

Nama : **Muhamad Zulchoir Rasyid Ridho**
NIM : 191431012
Jurusan : Teknik Kimia
Program Studi : D3-Analis Kimia
IPK : 3,88

atas prestasinya lulus dengan predikat "**Dengan Pujian**" Tahun Akademik 2021/2022.

Bandung, 3 Agustus 2022

Wakil Direktur Bidang Akademik




Prof. Dr. Ir. Noor Cholis Basjaruddin, M.T.
NIP 196706201994031003