



MUHAMMAD RAFLY

Address: Komp. Bumi Harapan Blok EE 7 NO 6 RT 001 RW 013 Kelurahan/Desa Cibiru Hilir Kecamatan Cileunyi, Kab. Bandung, Jawa Barat

Phone: +6282115109677

Email: mhmdrafly10@gmail.com

Github: <https://github.com/raffly10/Muhammad-Rafly-s-Data>

PROFESSIONAL SUMMARY

Highly motivated and technically skilled Facilities Technician with a Bachelor's degree in Engineering Physics (GPA 3.67). Strong expertise in machine maintenance, troubleshooting, and utility management, including electrical systems, WWTP (Wastewater Treatment Plant) operations, fire protection systems, and PLC maintenance. Proficient in preventive maintenance, equipment installation, and process optimization to ensure smooth operational efficiency. Passionate about problem solving, continuous improvement, and contributing to operational excellence. In addition, have skills in programming, robotic system design, and technology-based industrial system optimization.

EDUCATION

Bachelor of Engineering Physics with Cum Laude Predicate

August 2020 - August 2024

Telkom University

- GPA : 3.67/4.00
- Relevant Coursework: Electrical Systems, Mechanical Engineering, Instrumentation, Control Systems, Thermodynamics, Material Science, and Non-Destructive Testing (NDT)
- Capstone Design : Mobilization of Food Delivery Robot Based on Sensor Fusion and Object Detection
- Paper/Conference : Utilization of Luminosity Sensors to Measure Potential Energy Produced by Solar Panels (IOP Publishing)
- TOEFL results : 613/677

WORK EXPERIENCE AND PROJECTS

Engineering and Sciences - International Conference 2024 – Bandung, Indonesia

January 2024 - September 2024 | Researcher-Assistant Lecturer (Paper/Conference)

- Conducted research and assisted in writing papers for international conferences, focusing on problem-solving and creative applications within engineering and sciences.
- Provided technical support during conference sessions, ensuring smooth operation of equipment and research discussions.
- Engaged in troubleshooting of any technical issues related to presentation equipment and other technical needs during the conference.

Capstone Design Faculty of Electrical Engineering Telkom University – Bandung, Indonesia

January 2024 - August 2024 | Robotics Research Engineer (Capstone Design)

- Developed and tested robotics systems for capstone projects, with an emphasis on troubleshooting and improving machine performance.
- Worked with mechanical and electrical systems to ensure optimal performance in robotic design and functionality.
- Collaborated in designing systems that incorporated electrical operations and PLC programming.
- Assisted in the maintenance and repair of machinery and robotics equipment to ensure reliable and consistent performance.

Badan Riset dan Inovasi Nasional (BRIN) – Bandung, Indonesia

June 2023 - August 2023 | Field Work Internship Researcher-Assistant Lecturer

- Supported research in various engineering fields, focusing on system troubleshooting and repairs in laboratory settings.
- Assisted in the setup and maintenance of lab equipment, ensuring smooth functionality and minimal downtime.
- Engaged in regular inspections to identify any maintenance needs and provided recommendations for system optimization.

PT. NT Piston Ring Indonesia – Karawang, Indonesia

October 2018 - October 2019 | (MFG) Maintenance

- Performed routine maintenance and repairs on machinery to ensure operational efficiency and minimize equipment failures.
- Troubleshoot issues and conducted inspections on manufacturing equipment, including WWTP systems and electrical machinery.
- Worked on maintaining and repairing support equipment, ensuring all systems operated at peak efficiency.

PT. Honkys Miniatur Jaya – Cimahi, Indonesia

February 2018 - August 2018 | Mechanical-Electrical

- Performed electrical and mechanical troubleshooting for production systems and machinery.
- Assisted with the setup and maintenance of mechanical systems, ensuring they operated within design specifications.
- Contributed to the maintenance of electrical systems, performing repairs, and improving system reliability.

PT. Sony Indonesia – Jakarta, Indonesia

September 2017 - December 2017 | On Job Training

- Gained hands-on experience in troubleshooting and maintaining electrical systems within a large manufacturing environment.
- Assisted in troubleshooting production line equipment and performed basic electrical and mechanical repairs.
- Helped with the documentation and reporting of maintenance activities.

ORGANIZATIONAL EXPERIENCE

Electronics and Intelligence Robotic Research Group, Universitas Telkom

- November 2021 - November 2022 | External Member : Contribute to research and development of robotics technology.
- November 2021 - November 2022 | Member of Abu Indonesia Robot Contest 2022 Telkom University : Design and develop robot competitions.
- November 2022 - November 2023 | External Chair : Lead robotics research projects and manage industrial cooperation.
- November 2022 - November 2023 | Team Leader Abu Indonesia Robot Contest 2023 Telkom University : Lead the robot development team, manage the budget, and design competition strategies.

Community Service Learning, Universitas Telkom

- August 2023 - August 2023 | Volunteer: Participate in community engagement projects, providing support to local initiatives focused on sustainability and development.

TECHNICAL SKILLS & SOFT SKILLS

- | | |
|--|---|
| • Electrical Systems Maintenance & Troubleshooting | • Preventive Maintenance & Process Optimization |
| • Mechanical Systems & Equipment Repair | |
| • Wastewater Treatment Plant (WWTP) Operations | • Soft Skills : Strong Problem-Solving & Analytical Thinking, Team Collaboration & Leadership, Attention to Detail & Troubleshooting, Adaptability & Continuous Improvement Mindset, Technical Documentation & Reporting |
| • Fire Protection & Building Maintenance | |
| • PLC (Programmable Logic Controller) Maintenance | |
| • Non-Destructive Testing (NDT) | |
| • Chemical Process Maintenance (Paint, Plating, Anodizing) | |

CERTIFICATION AND TRAINING

- Huawei Talent Online Course Certificate: Big Data V3.0, AI V3.0, IoT V2.5, 5G V2.0, Data Center V1.5.
- Dicoding Indonesia Course Certificate: Pemrograman Prosedural dengan Python, Dasar-dasar Data Science, Dasar-dasar SQL, Dasar-dasar Visualisasi Data, Machine Learning
- Cisco Networking Academy: Data Science, Cyber Security

ACHIEVEMENTS AND AWARDS

(1) 2nd Place of Indonesian Abu Robot Contest Region 1 2022, BPTI, Puspresnas, Indonesia. (2) Top 8 National Finalists of Indonesian Abu Robot Contest 2022, BPTI, Puspresnas, Indonesia. (3) National (4) Finalists of Indonesian Abu Robot Contest 2023, BPTI, Puspresnas, Indonesia, 1st Place of Capstone Design Faculty of Electrical Engineering Telkom University 2024

MUHAMMAD RAFLY

+6282115109677

mhmdrafly10@gmail.com

Komp. Bumi Harapan Blok EE 7 NO 6 RT 001 RW 013 Kelurahan/Desa

Cibiru Hilir Kecamatan Cileunyi, Kab. Bandung, Jawa Barat

12 March 2025

Bandung, Jawa Barat, Indonesia

Dear Hiring Manager,

I am writing to express my interest in the Facility Technician position at Jabil, as advertised. With a background in engineering and hands-on experience in troubleshooting, maintaining, and repairing equipment, I am excited about the opportunity to contribute to your team and ensure the smooth operation of your building and utilities.

In my previous roles, including my time at PT. NT Piston Ring Indonesia, PT Honky's Miniatur Jaya and PT. Sony Indonesia, I have developed a strong foundation in performing electrical, mechanical, and equipment repairs, as well as conducting routine inspections to identify maintenance needs. My work in these manufacturing environments has also allowed me to gain valuable knowledge in maintaining and troubleshooting systems, including wastewater treatment plant (WWTP) systems and electrical machinery, which I understand is critical to this role.

I am confident that my skills in machine maintenance, system troubleshooting, and supporting equipment repair align with the responsibilities outlined in your job description. I have a keen attention to detail and a proactive approach to problem solving, which I believe will allow me to contribute effectively to your team. Additionally, I have experience reviewing plans, estimating costs for electrical projects, and ensuring that all maintenance activities are accurately documented.

I am passionate about Jabil's focus on creativity and continuous improvement, and would welcome the opportunity to contribute to this goal through my expertise in facility maintenance. I am confident that my background, combined with my enthusiasm for problem solving, makes me a strong candidate for this position.

Thank you for considering my application. I look forward to discussing how I can contribute to the continued success and smooth operation of Jabil. Please feel free to contact me at 082115109677 or via email at mhmdrafly10@gmail.com to arrange an interview at your convenience.

Sincerely,



Muhammad Raflly

Ijazah / Certificate



Universitas Telkom

Terakreditasi / Accredited "Unggul", No.1055/SK/BAN-PT/Ak-PPJ/PT/XII/2021

Nomor / Number: 041057302012024100028

Berdasarkan Keputusan Rektor No.KR.947/AKD15/AKD-BAA/2024

Universitas Telkom menyatakan bahwa
Telkom University, under the decree of KR.947/AKD15/AKD-BAA/2024, hereby we declare that



Muhammad Rafly

tempat & tanggal lahir: Bandung, 27 Maret 1999

Place & Date of Birth: Bandung, 27 March 1999

NIK (nomor induk kependudukan): 3204052703990003

ID Number: 3204052703990003

NIM (nomor induk mahasiswa): 1104202091

Student Number: 1104202091

tanggal masuk: 01 Agustus 2020

Date of Enrollment: 01 August 2020

program studi: Sarjana - Teknik Fisika

Study Program: Bachelor - Engineering Physics

Fakultas Teknik Elektro

School of Electrical Engineering

tanggal yudisium: 30 Agustus 2024

Date of Completion: 30 August 2024

telah menyelesaikan dan memenuhi seluruh persyaratan pendidikan, sehingga kepadanya diberikan ijazah ini dan gelar

has completed and fulfilled all academic requirements, thus conferring to the above name the degree of

Sarjana Teknik (S.T.) dengan predikat Cum Laude

Sarjana Teknik (S.T.) with Honors of Cum Laude

beserta segala hak dan kewajiban yang melekat pada gelar tersebut.

with all the rights and responsibilities appertaining thereunto.

Bandung, 31 Oktober 2024

31 October 2024

Rektor / Rector

Prof. Dr. Adiwijaya, S.Si., M.Si.



Dekan / Dean

Dr. Bambang Setia Nugroho, S.T., M.T.

FAKULTAS TEKNIK ELEKTRO
PROGRAM STUDI S1 TEKNIK FISIKA

SCHOOL OF ELECTRICAL ENGINEERING
BACHELOR OF ENGINEERING PHYSICS
TERAKREDITASI / ACCREDITED : SK NO. 10960/SK/BAN-PT/AK-ISK/S/IX/2021

TRANSKRIP AKADEMIK

ACADEMIC TRANSCRIPT
No Ijazah Nasional 041057302012024100028
No 0850/AKD1.15/SFTE/2024
NAMA / NAME : MUHAMMAD RAFLY
NOMOR INDUK MAHASISWA / STUDENTS ID : 1104202091
TEMPAT & TANGGAL LAHIR / PLACE & DATE OF BIRTH : BANDUNG, 27 Maret 1999 / 27 March 1999
TANGGAL MASUK / DATE OF ENROLLMENT: 01 Agustus 2020 / 01 August 2020
TANGGAL LULUS / DATE OF COMPLETION : 30 Agustus 2024 / 30 August 2024
JENJANG PENDIDIKAN / LEVEL OF EDUCATION : STRATA 1 / BACHELOR DEGREE
NO KEPUTUSAN REKTOR / NUMBER OF DECREE : KR.947/AKD15/AKD-BAA/2024

No	KODE/ CODE	MATA KULIAH	SUBJECT	SEMESTER / SEMESTER	SKS / CREDIT	NILAI / GRADE
1	TUI1E1	PRAKT. ALGORITMA DAN PEMROGRAMAN	ALGORITHM AND PROGRAMMING LAB WORKS	1	1	A
2	TUI1A1	PRAKTIKUM FISIKA 1	PHYSICS 1 LAB WORKS	1	1	A
3	UW1E1	PEMBENTUKAN KARAKTER	CHARACTER BUILDING	1	1	A
4	TF1A2	PENGENALAN TEKNIK FISIKA	INTRODUCTION TO ENGINEERING PHYSICS	1	2	AB
5	UK1B2	PENDIDIKAN PANCASILA	PANCASILA	1	2	A
6	UW1D2	LITERASI MANUSIA	HUMAN LITERACY	1	2	A
7	TUI1B3	KALKULUS 1	CALCULUS 1	1	3	BC
8	TUI1A3	FISIKA 1	PHYSICS 1	1	3	BC
9	TUI1E3	ALGORITMA DAN PEMROGRAMAN	ALGORITHM AND PROGRAMMING	1	3	B
10	TUI1F1	PRAKTIKUM FISIKA 2	PHYSICS 2 LAB WORKS	2	1	A
11	UW1A2	BAHASA INGGRIS	ENGLISH	2	2	A
12	UK1A2	PENDIDIKAN KEWARGANEGARAAN	CIVICS	2	2	A
13	UA1A2	PENDIDIKAN AGAMA ISLAM DAN ETIKA	ISLAM RELIGION AND ETHICS	2	2	A
14	TUI1G3	KALKULUS 2	CALCULUS 2	2	3	C
15	TUI1C3	KIMIA	CHEMISTRY	2	3	AB
16	TUI1H3	PENG. REKAYASA DAN DESAIN	INTRODUCTION TO ENGINEERING AND DESIGN	2	3	AB
17	TUI1F3	FISIKA 2	PHYSICS 2	2	3	AB
18	TFI2K1	PRAKTIKUM TEKNIK FISIKA 1	ENGINEERING PHYSICS LAB WORKS 1	3	1	A
19	TFI2E3	FISIKA MODERN	MODERN PHYSICS	3	3	A
20	TFI2A3	MATEMATIKA REKAYASA 1	ENGINEERING MATHEMATICS 1	3	3	A
21	TUI2A3	PROBABILITAS DAN STATISTIKA	PROBABILITY AND STATISTICS	3	3	AB
22	TFI2C3	TERMODINAMIKA TEKNIK	ENGINEERING THERMODYNAMICS	3	3	A
23	TFI2D4	RANGKAIAN LISTRIK DAN ELEKTRONIKA	ELECTRIC CIRCUITS AND ELECTRONICS	3	4	B
24	TFI2L1	PRAKTIKUM TEKNIK FISIKA 2	ENGINEERING PHYSICS LAB WORKS 2	4	1	A
25	TFJ2C3	ANALISIS TERMAL	THERMAL ANALYSIS	4	3	A
26	TFJ2D3	ELEKTROMAGNETIKA	ELECTROMAGNETICS	4	3	AB
27	TFI2I1	TEKNIK KONVERSI ENERGI	ENERGY CONVERSION TECHNIQUE	4	3	A
28	TFI2J1	MEKANIKA FLUIDA	FLUID MECHANICS	4	3	AB
29	TFI2B3	MATEMATIKA REKAYASA 2	ENGINEERING MATHEMATICS 2	4	3	AB
30	TFI2F3	ELEKTRONIKA DIGITAL	DIGITAL ELECTRONICS	4	3	AB
31	TFI2H3	GELOMBANG DAN AKUSTIKA	WAVE AND ACOUSTICS	4	3	A
32	TFI2G4	TEKNIK KOMPUTASI	COMPUTATIONAL TECHNIQUE	4	4	A
33	TFI3F1	PRAKTIKUM TEKNIK FISIKA 3	ENGINEERING PHYSICS LAB WORKS 3	5	1	A
34	TFI3E3	DINAMIKA SISTEM	SYSTEM DYNAMICS	5	3	AB
35	TFI3D3	PERPINDAHAN KALOR	HEAT TRANSFER	5	3	B
36	TFI3B3	TEKNIK PENGUKURAN	MEASUREMENT TECHNIQUE	5	3	AB
37	TFI3C3	PENGOLAHAN SINYAL	SIGNAL PROCESSING	5	3	B
38	TFI3L1	PRAKTIKUM TEKNIK FISIKA 4	ENGINEERING PHYSICS LAB WORKS 4	6	1	A
39	UWI3A2	KEWIRUSAHAAN	ENTREPRENEURSHIP	6	2	A
40	TUI4A2	STUDIUM GENERAL	STUDIUM GENERALE	6	2	A

TRANSKRIP AKADEMIK

ACADEMIC TRANSCRIPT

No Ijazah Nasional 041057302012024100028

No 0850/AKD1.15/SFTE/2024

NAMA / NAME : MUHAMMAD RAFLY

NOMOR INDUK MAHASISWA / STUDENTS ID : 1104202091

TEMPAT & TANGGAL LAHIR / PLACE & DATE OF BIRTH : BANDUNG, 27 Maret 1999 / 27 March 1999

TANGGAL MASUK / DATE OF ENROLLMENT: 01 Agustus 2020 / 01 August 2020

TANGGAL LULUS / DATE OF COMPLETION : 30 Agustus 2024 / 30 August 2024

JENJANG PENDIDIKAN / LEVEL OF EDUCATION : STRATA 1 / BACHELOR DEGREE

NO KEPUTUSAN REKTOR / NUMBER OF DECREE : KR.947/AKD15/AKD-BAA/2024

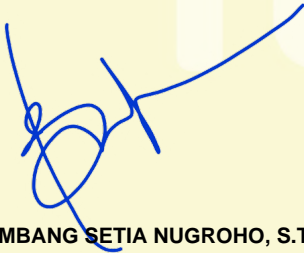
No	KODE/ CODE	MATA KULIAH	SUBJECT	SEMESTER / SEMESTER	SKS / CREDIT	NILAI / GRADE
41	TUI3A2	KERJA PRAKTEK ATAU KKN	INTERNSHIP OR SOCIAL AND COMMUNITY SERVICE	6	2	A
42	TFI3G3	FISIKA MATERIAL	MATERIAL PHYSICS	6	3	AB
43	TFI3J3	KONTROL OTOMATIK	AUTOMATIC CONTROL	6	3	AB
44	TFI3H3	TEKNIK INSTRUMENTASI	INSTUMENTATION TECHNIQUE	6	3	AB
45	TFI3I3	PEMODELAN SIMULASI	MODELLING AND SIMULATION	6	3	A
46	UKJXC2	BAHASA INDONESIA	INDONESIAN LANGUAGE	7	2	A
47	TFI4A2	KEANDALAN DAN KESELAMATAN	RELIABILITY & SAFETY	7	2	A
48	TUI3C2	EKONOMI TEKNIK	ENGINEERING ECONOMICS	7	2	A
49	TUI4B2	PROPOSAL TUGAS AKHIR	FINAL PROJECT PROPOSAL	7	2	A
50	UWJXB2	LITERASI DATA	DATA LITERACY	7	2	A
51	TFI4B3	MIKROKONTROLER & IOT	MICROCONTROLLER & IOT	7	3	A
52	TFI4D3	SISTEM KONTROL CERDAS	INTELLIGENT CONTROL SYSTEM	7	3	A
53	TFI4C3	METODE NON DESTRUCTIVE TESTING	NONDESTRUCTIVE TESTING METHODS	7	3	A
54	UPJXA3	MANAJEMEN PROYEK	PROJECT MANAGEMENT	7	3	A
55	TFI4Q3	TEKNIK TOMOGRAFI	TOMOGRAPHY TECHNIQUE	8	3	AB
56	TFI4P3	ELEKTRONIKA DAYA	POWER ELECTRONICS	8	3	A
57	TUI4G3	PROGRAM KREATIVITAS A3	CREATIVITY PROGRAM A3	8	3	A
58	TFI4L3	AUTOMASI INDUSTRI	INDUSTRIAL AUTOMATION	8	3	A
59	TUI4B4	TUGAS AKHIR	FINAL PROJECT	8	4	A

KETERANGAN NILAI / GRADE NOTICE A = 4 AB = 3.5 B = 3 BC = 2.5 C = 2 D = 1 E = 0

PENCAPAIAN AKADEMIK / ACADEMIC ACHIEVEMENT SKS (Satuan Kredit Semester) Total / Total Credits : 150 SKS / Credits IPK (Indeks Prestasi Kumulatif) / Grade Point Average : 3.67 (dari / out of 4,00) YUDISIUM / JUDICIUM CUMLAUDE
--

TUGAS AKHIR / FINAL PROJECT MOBILISASI ROBOT PENGANTAR MAKANAN BERBASIS SENSOR FUSION DAN DETEKSI OBJEK MOBILIZATION OF FOOD DELIVERY ROBOTS BASED ON SENSOR FUSION AND OBJECT DETECTION

Bandung, 31 Oktober 2024 / 31 October 2024
Dekan / Dean



Dr. BAMBANG SETIA NUGROHO, S.T., M.T.



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PT.WIYATA INSAN BESTARI

Notaris : Fatir Tashin Syafiq, SH., M.Kn.
NO 07 Maret 2020.
NO AHU-0016803.AH.01.01.Tahun 2020



TOEFL

This test is designed based on the ITP
TOEFL standard

EV/TO5/02/2025/021433231

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Muhammad Rafly

Place / Date of Birth : Bandung, 27 March 1999
Address : KOMP BUMI HARAPAN BLOK EE 7 NO 6 RT 001 RW 013 KELURAHAN/DESA CIBIRU HILIR KECAMATAN CILEUNYI, KABUPATEN BANDUNG, JAWA BARAT

Date of Test : 14 February 2025

Has successfully finished an online TOEFL test and achieved the following scores:



Scan Here

Section	Score
Listening	38 / 56
Structure & Written Expression	36 / 61
Reading	50 / 67
Total Score	613



Langgeng Aprianto

English Learning Development
officer of Englishvit

The certificate is valid for 2 (two) years counted from the issued date.
TOEFL is a registered trademark of Educational Testing Service (ETS), this certificate
is not endorsed or approved by ETS.

Sertifikat



This certificate is presented to

Muhammad Rafly

has successfully presented a paper entitled

**Utilization of Luminosity Sensorsto Measure Potential Energi Produced by
Solar Panels**

**Engineering Sciences International Conference
(ESIC 2024), Indonesia**

17 September 2024

A blue ink handwritten signature of Dr. Abrar, M.Sc., written over a red circular stamp that contains a stylized 'E' and 'S'.

Dr. Abrar, M.Sc.
Chairman

organized by



sponsored by



Kepada Yth.
Kepala Program Studi Teknik Fisika
Telkom University
Bandung

Sehubungan dengan lamaran praktek kerja lapangan melalui ELSA – BRIN yang telah dilakukan oleh mahasiswa Telkom University, dibawah ini:

No	Nama	NIM	Program Studi
1	Muhammad Rafly	1104202091	Teknik Fisika

maka kami informasikan bahwa mahasiswa tersebut telah kami terima untuk melaksanakan praktek kerja lapangan sesuai dengan periode waktu yang telah ditentukan. Pelaksanaan praktek kerja lapangan akan dilakukan pada kegiatan penelitian “Sistem Pendeteksian Objek dan Telekomunikasi untuk Kendaraan Listrik Otonom” dibawah bimbingan Dr. Eng, Arief Suryadi Satyawan, M.T.

Demikian surat ini kami buat untuk sebagai pemberitahuan dan agar dapat digunakan sesuai dengan ketentuan yang berlaku.

Bandung, 21 Juni 2023
Ketua Periset,

 TT ELEKTRONIK

Dr. Eng, Arief Suryadi Satyawan, M.T.
NIP. 197308011994031005



Dokumen ini ditandatangani secara elektronik menggunakan sertifikat dari BSrE, silahkan lakukan verifikasi pada dokumen elektronik yang dapat diunduh dengan melakukan scan QR Code



PT. NT Piston Ring Indonesia

Suryacipta City of Industry, Jl. Surya Madya II Kav. I - 27A
Clampel - Karawang, Jawa Barat, INDONESIA. 41363
Phone: +62 (0267) 440457, (021) 89115070 Fax : +62 (0267) 440182



SURAT KETERANGAN CERTIFICATE OF EMPLOYMENT (No. 109/SK.VC-HR&GA/NTRI/X/2019)

Dengan ini menyatakan bahwa :
This is to certify that

Nama : MUHAMMAD RAFLY
Name

N.I.K. : 3907
Employment Code

Jabatan : Operator

Departemen/Divisi : MFG (Maintenance)
Department/Division

Masa Kerja : Dari : 4 Oktober 2018 Sampai : 2 Oktober 2019
Working Period *From* *Until*

Alasan Berhenti : Habis Kontrak
Reason of Termination *End of Contract*

Kami mengucapkan terima kasih atas kerja sama dan dedikasi yang diberikan kepada PT. NT Piston Ring Indonesia dengan harapan semoga prestasi dan keberhasilan senantiasa menyertai saudara .

*In this opportunity, we would like to thank to **Mr. Muhammad Rafly** for his good performance in PT. NT Piston Ring Indonesia and we wish he would get achievement and success in the future.*

Karawang, 2 Oktober 2019

PT. NT Piston Ring Indonesia

Husor Wini Radjagukguk
Human Resources & General Affair Department Head





PT. Honky's Miniatur Jaya

(Architectural Models)

Email: honkyhd@gmail.com - Website: http://honky_miniatur_jaya.indonetwork.co.id/
Jl. Intan I/22. Perum Permata Cimahi. Tlp 022-6623818. Fax 022-6624119. Cimahi - Bandung 40552.

SURAT KETERANGAN PENGALAMAN KERJA

No : 04/HRD/XI/2024

Yang bertanda tangan dibawah ini ;

Nama : Honky Harsono D
Jabatan : Direktur
Alamat : Perum Permata Cimahi, Jl. Intan I Blok V5 no. 22
No. Telp. : 022 - 6623818

Menerangkan dengan sesungguhnya dibawah ini ;

Nama : Muhammad Rafly
Alamat : Komp. Bumi Harapan Blok EE 7 No 6 RT 01 RW 13
: Kel/Desa Cibiru Hilir, Kec. Cileunyi
Kabupaten Bandung, Jawa Barat 40626

No. Telp. : 0821-1510-9677

Bahwa yang bersangkutan telah bekerja di Perusahaan kami terhitung sejak 5 Februari s/d 31 Agustus 2018 sebagai operator produksi pada bagian mekanik dan kelistrikan. Selama bekerja yang bersangkutan telah menunjukkan sikap yang baik dan telah mengundurkan diri atas permintaan sendiri dengan tidak ada paksaan atau tekanan dari pihak manapun.

Kami ucapkan terima kasih dan berharap semoga yang bersangkutan bisa lebih sukses dimasa yang akan datang

Demikian surat keterangan ini kami buat agar dipergunakan sebagaimana mestinya.

Hormat kami,



[Handwritten signature]

Honky Harsono D

SONY

Training Certificate

is presented to

Muhammad Rafly

For the completion of:

On Job Training

Conducted by

Customer Service Division – PT. Sony Indonesia
from 04th September 2017 – 30th December 2017



Freddy Tirtanady

CSD – Division Head
PT. Sony Indonesia

SERTIFIKAT

KEANGGOTAAN

DIBERIKAN KEPADA:

Muhammad Rafly

1104202091

Sebagai Anggota Divisi Eksternal

Kepala Laboratorium



Erwin Susanto, S.T., M.T., Ph.D.
NIP. 07740045

Koordinator Asisten
Laboratorium EIRRG



Fa-iq Irfan
NIM. 1104194068



SERTIFIKAT

NO. 001/L-R/ASISTEN/EIRRG/2023



diberikan kepada

M. Rafly

NIM: 1104202091

sebagai Koordinator Divisi ROOBICS yang telah berpartisipasi dalam ajang
KONTES ROBOT ABU INDONESIA 2023

Koordinator Asisten 2022/2023
Laboratorium EIRRG



Rifqy Fachrizi
NIM: 1102201685

Dosen Pembina
Laboratorium EIRRG



Erwin Susanto, Ph.D.
NIP: 07740045



SERTIFIKAT

NO. 003/S/ASISTEN/EIRRG/2023



diberikan kepada

M. Rafly

NIM: 1104202091

atas pengabdianannya dalam Kabinet EIRRG 2022/2023 sebagai
KOORDINATOR DIVISI EKSTERNAL

Koordinator Asisten 2022/2023
Laboratorium EIRRG



Rifqy Fachrizi
NIM: 1102201685

Dosen Pembina
Laboratorium EIRRG



Erwin Susanto, Ph.D.
NIP: 07740045

Certificate



This certificate is proudly presented to

Muhammad Rafly
as
Participant

in good standing with The 2023 Community Service Learning (CSL) Program of Telkom University
who lifts the honor of the country and university held at Sein Farm, Ujung Berung, Bandung from
15 August - 25 August 2023

Bandung, September 8 2023

Program Manager of
Community Service Learning



Dr. Eng. Faisal Budiman
NIK:20870022

A handwritten signature in blue ink, appearing to read 'Faisal'.

Director of
Research and Community Service Directorate,
Telkom University



Dr. Kemas Muslim L.
NIK:13820075

TALENT
ONLINE

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HUAWEI TALENT ONLINE

结课证书

COURSE CERTIFICATE

Muhammad Rafly

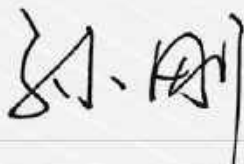
祝贺您在华为人才在线顺利完成学习并通过了考核
Successfully completed and received a passing grade in

HCIA-Big Data V3.0 Course

发证日期: 2023-12-31

Date of issue:

部长
Director



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Talent Development Dept., Huawei Enterprise Business Group



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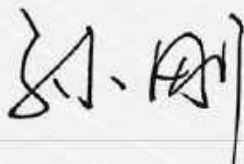
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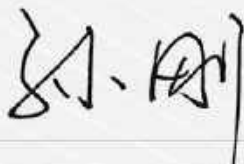
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HCIA-IoT V2.5 Course

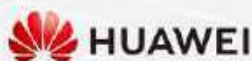
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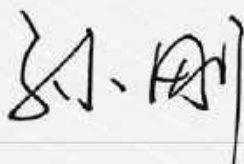
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Successfully completed and received a passing grade in

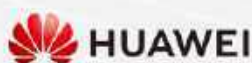
HCIA-Data Center V1.5 Course

发证日期: 2023-12-31
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证书编号/Certificate Code: EBG20231231000060



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98XW27W30PM3

Diberikan kepada

MUHAMMAD RAFLY

Atas kelulusannya pada kelas

Belajar Pemrograman Prosedural dengan Python

01 Maret 2024

Narenda Wicaksono
Chief Executive Officer
Dicoding Indonesia

**SERTIFIKAT
KOMPETENSI
KELULUSAN**



Verifikasi Sertifikat

dicoding.com/certificates/98XW27W30PM3

Berlaku hingga 01 Maret 2027

Certificate of Course Completion

Muhammad Rafly

has successfully achieved student level credential for completing the Introduction to Data Science course.

The student was able to proficiently:

- Explain the promises and challenges of data analytics.
- Explain the role of data in AI and Machine Learning.
- Explore different options to obtain a career in Data Analytics.



Scan to Verify

December 31, 2023

A decorative graphic in the top right corner consisting of overlapping blue, green, and orange shapes.

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

Certificate of Course Completion

Muhammad Rafly

has successfully achieved student level credential for completing the Introduction to Cybersecurity course.

The student was able to proficiently:

- Explain the basics of being safe online, including what cybersecurity is and its potential impact.
- Explain the most common cyber threats, attacks, and vulnerabilities.
- Explain how to protect oneself while online.
- Explain how organizations can protect their operations against these attacks.
- Access a variety of information and resources to explore the different career options in cybersecurity.



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December 31, 2023

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

KRI
20
22



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
BALAI PENGEMBANGAN TALENTA INDONESIA

SERTIFIKAT PENGHARGAAN

Nomor: 16701/PPN/DIKTI/2022

diberikan kepada

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sebagai anggota tim

ROOBICS

Universitas Telkom

yang telah menjadi

Juara 2 Divisi Kontes Robot ABU Indonesia (KRAI)

dalam Kontes Robot Indonesia (KRI) Tingkat **Wilayah I** tahun 2022
yang diselenggarakan oleh Balai Pengembangan Talenta Indonesia (BPTI) bekerja sama dengan
Institut Teknologi Sepuluh Nopember (ITS) pada 8-13 Juni 2022

Kepala Balai Pengembangan
Talent Indonesia (BPTI),



Asep Sukmayadi, S.IP., M.Si.

Wakil Rektor Bidang Akademik
dan Kemahasiswaan ITS,



Prof. Dr. Ir. Adi Soeprijanto, M.T.

Surabaya, 16 Juni 2022
Ketua Pelaksana KRI 2022,



Dr. I Ketut Eddy Purnama, S.T., M.T.



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
BALAI PENGEMBANGAN TALENTA INDONESIA

Sertifikat

Nomor 0339/J7.1/PN.00/2022

diberikan kepada

Muhammad Rafly

Universitas Telkom

Sebagai Peserta Divisi Kontes Robot ABU Indonesia

pada kegiatan Kontes Robot Indonesia (KRI) **Tingkat Nasional** Tahun 2022
yang diselenggarakan pada tanggal 29 Juni s.d 4 Juli 2022 oleh Balai Pengembangan Talenta Indonesia
Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi di Institut Teknologi Sepuluh Nopember.

Jakarta, 6 Juli 2022

Kepala Balai Pengembangan Talenta Indonesia



Asep Sukmayadi

NIP. 197206062006041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
SEKRETARIAT JENDERAL
PUSAT PRESTASI NASIONAL
BALAI PENGEMBANGAN TALENTA INDONESIA

Sertifikat

Nomor: 16314/BPTI/DIKTI/2023

Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi, Sekretariat Jenderal, Pusat Prestasi Nasional,
Balai Pengembangan Talenta Indonesia menyampaikan penghargaan kepada:

MUHAMMAD RAFLY

UNIVERSITAS TELKOM

atas partisipasi dan prestasi sebagai:

Anggota ROOBICS

Peserta Wilayah

Divisi Kontes Robot ABU Indonesia

pada **Kontes Robot Indonesia (KRI) Tingkat Wilayah**
yang diselenggarakan Balai Pengembangan Talenta Indonesia Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi
secara daring pada tanggal 28 Mei s.d. 5 Juni 2023.



Jakarta, 12 Juni 2023

Kepala Balai Pengembangan Talenta Indonesia

Asep Sukmayadi

NIP 197206062006041001



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
SEKRETARIAT JENDERAL
PUSAT PRESTASI NASIONAL
BALAI PENGEMBANGAN TALENTA INDONESIA

Sertifikat

Nomor: 17819/BPTI/DIKTI/2023

Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi, Sekretariat Jenderal, Pusat Prestasi Nasional,
Balai Pengembangan Talenta Indonesia menyampaikan penghargaan kepada:

Muhammad Rafly

UNIVERSITAS TELKOM

atas partisipasi dan prestasi sebagai:

Anggota ROOBICS


Finalis Nasional

Divisi Kontes Robot ABU Indonesia

pada **Kontes Robot Indonesia (KRI) Tingkat Nasional**
yang diselenggarakan Balai Pengembangan Talenta Indonesia Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi
secara luring pada tanggal 21 s.d. 26 Juni 2023 di Universitas Semarang.



Jakarta, 27 Juni 2023
Kepala Balai Pengembangan Talenta Indonesia


Asep Sukmayadi
NIP 197206062006041001