



AGHITS ZULVIA RACHMAWATI

Surabaya, 19th June 2003

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PROFILE

A fresh graduate in Chemical Engineering University of Brawijaya who focuses on energy and environmental. Eager to contribute with proficient skills in process optimization, data analyst, and project management. Committed to leveraging academic knowledge and practical experience to drive operation excellence and innovation within the company. Seeking to apply theoretical understanding to real-world challenges, while actively learning and adapting to company standards. Ready to collaboration with teams, absorb new concepts, and contribute effectively to the company's success in optimizing production processes and ensuring operational efficiency.

EDUCATION

University of Brawijaya	Agust 2021 – July 2025
• Majoring on Chemical Engineering with current GPA: 3,77/4,00 (<i>Cumlaude</i>)	
• Senior High School 15 Surabaya	June 2018 – June 2021

PROFESSIONAL EXPERIENCES

Speaker of National Seminar Engineering Education	August 2025
• Annual Engineering Education Program (Engineering Training Program)	
• Provide information about renewable energy	
Chemical Engineering Operations Laboratory Assistant	August 2024 – December 2024
• Basic knowledge of chemical engineering operations in the laboratory such as sedimentation, drying, particle size distribution, agitation, and extraction	
• Running short course practicum of chemical engineering operations for 5 th semester student in chemical engineering department	
• Tutoring and assessing reports of 30+ students	
Physical Chemistry Laboratory Assistant	January 2024 – April 2024
• Basic knowledge of physical chemistry in the laboratory such as introduction tools, liquid vapor equilibrium of binary mixtures, measuring the properties of liquids, and chemical reaction rates	
• Running short course practicum of physical chemistry for 3 rd year student in chemical engineering department	
• Tutoring and assessing reports of 30+ students	
Mentor of Creativity Student Program Freshman (PKM MABA)	September 2023 – December 2023
• Annual program of Faculty of Engineering to prepare freshman in the Student Creativity Program (PKM)	
• Guiding 6 student related to the preparation of PKM proposals	
Mentor of “RUANG KREASI” RKIM UB	June 2023 – August 2023
• Annual program of RKIM UB to prepare member in the scientific writing competition in national and international level	

INTERNSHIP EXPERIENCE

PT. Perusahaan Gas Negara (PGN) Tbk.	July 2024 – August 2024
• Creating regional database for Kalimantan and eastern Indonesia for the period January 2023 - June 2024	
• Determine the GHV value at PT Platinum and PT Ajinomoto based on existing distribution conditions	
• Compiling process simulations using ASPEN PLUS software	

ORGANIZATION EXPERIENCES

Research Center and Student Scientific (RKIM) UB	January 2024 – December 2024
Manager of Human Resource Department	
Responsible for leading 20 staffs to do work programs in human resources department	
Assistant Manager of Human Resource Department	January 2023 – December 2023
Responsible for managing and developing human resources in RKIM	
Staff of Human Resource Development, Creation Room Division	
Responsible for work programs as a forum for mentors and young staff to provide material related to research and soft skills in the hope of increasing insight.	January 2022 – December 2022
Society of Renewable Energy (SRE) UB	
Director of Competition	September 2023 – September 2024
- Responsible for managing competitions that is being brought up by SRE UB to the public views - Driving individuals and teams towards their highest levels of achievement.	
Manager Market Research of Marketing	September 2022 – September 2023
- Determine the overall strategy for SRE UB's brand image - Responsible for providing information about Renewable Energy	
Member Society of Renewable Energy	September 2021 – September 2022
Responsible for implementing work programs organized by SRE UB	
Chemical Engineering Student Representative Council (DPMTK) FT-UB	
Staff of Commission II	September 2021 – September 2022
Responsible for supervising and evaluating the performance of Chemical Engineering Student Association FT-UB, so that it runs according to the applicable AD / ART.	
Literature Extracurricular	
Member	July 2019 – July 2020
Learn and responsible for developing writing skills, poetry, debate to Senior High School 15 Surabaya Students	

COMMITTEE EXPERIENCES

Oil and Gas Student Community (FT – UB)	
Staff of Public Relation	January 2024 – August 2024
Responsible as an information contact person between the committee, presenters, and participants	
Chemical Engineering Visit to Industry (Chem Visit)	October 2022 – January 2023
Staff of Event	
Organize and lead all event-related activities including concept, timeline, venue, equipment, etc.	
Brawijaya Essay Competition	August 2022 – November 2022
Vice Coordinator of marketing	
- Responsible for finding external parties who want to collab during the event - Create and manage social media content - Determine and organize consumption during the event	
Green Earth Challenge	January 2022 – June 2022
Staff of Liaison Officer	
- Responsible for finding external parties who want to collab during the event - Responsible liaison between the committee and participants	

ACHIEVEMENT AND AWARDS

- **Finalis of PIMNAS 36** November 2023
Kemenristekdikti
- **1st Winner of Gemar Kepenulisan Tahunan (GEMPITA)** October 2024
Faculty of Islamic Studies, Trunojoyo University
- **1st Winner of Industrial Engineering Essay Competition** February 2024
Faculty of Industrial Engineering Trisakti University
- **1st Winner of Call For paper** September 2023
UKM LPM Dinamika UIN Raden Mas Said
- **1st Winner Business and Product Design Competition I - Challenge** September 2023
HMTK Faculty of Engineering University of Brawijaya
- **1st Winner National Engineering Essay Competition (NESYCOM)** July 2023
HIMATEKA Universitas Muhammadiyah Jakarta
- **1st Winner of Scientific Paper National Energy Competition** October 2022
HIMATEKK UPN Veteran East Java
- **1st Winner of Essay Tekkim Green Campus** February 2022
HMTK Faculty of Engineering University of Brawijaya
- **2nd Winner of Chemical Engineering Annual Competition** May 2023
HMTK Faculty of Engineering University of Muhammadiyah Purwokerto
- **2nd Winner of Essay Category KSE Fair Championship (KFC)** June 2023
KSE Association of UIN Jakaeta
- **2nd Winner of National Essay Competition Public Health Project** October 2022
HIMA Public Health Malang State University
- **2nd Winner of Essay Category Research and Student Scientific (RKIM) Cup** October 2022
Research and Student Scientific (RKIM) University of Brawijaya
- **3rd Winner of National Essay Kovalen Edu Fair** October 2023
Student Association of Chemistry Education Study Program UNS
- **3rd Winner of Digital Poster Competition at Green Earth Challenge** April 2022
Society of Renewable Energy (SRE) University of Brawijaya
- **3rd Winner of Member Idea Competition (MIC)** July 2023
Society of Renewable Energy (SRE) University of Brawijaya
- **TOP 20 Finalist of the Indonesia Green Profession Popular Writing Week** April 2022
Bastra.id and Coaction Indonesia
- **Finalis of Rector Cup 2021** December 2021
Faculty of Engineering University of Brawijaya

VOLUNTEER EXPERIENCES

- Volunteer Staff by Peduly Malang June 2025
- Volunteer Staff by Peduly Malang November 2024
- Student Volunteer at Forum Fasilitas Produksi Migas (FFPM) 2024 by IAFMI August 2024
- Volunteer Staff by PT Pertamina Persero November 2023
- Campaign Volunteer by Youth for The Homeless February 2022
- Finding Home in Me Campaign by Tabula February 2022
- Health Ambassador by Youthped Indonesia and Nutrition Health Indonesia September 2021
- Education Volunteer by Global Milllennial MUN July 2021
- Campaign Volunteer by Telkom University June – July 2021
- International Self Care Day by Sedari Sekarang July 2021
- Local Project LiterAction by AIESEC June – July 2023
- Self Acceptance by Psylution X HOPE Psychology Center June 2021

PUBLICATIONS

Brawijaya's Book - Author Contribution

April 2022

- **By Title:** Pemanfaatan Mikroalga *Chlorella Pyrenoidosa* Pada Fitoremediasi Limbah Industri Tekstil Berbasis Transesterifikasi Enzim Lipase Guna Mendukung *Green Business* Biodiesel

Scientific Article – KOMPASIA

July 2023

- **By Title:** Optimalisasi *Eco Design Architect* dalam Pembangunan *Green Roof* Berbasis Teknologi *Solar Panel* guna Mendukung *Net Zero Emission & Sustainability Energy*
- Link Acces: <https://coaction.id/optimalisasi-eco-design-architect-dalam-pembangunan-green-roof-berbasis-teknologi-solar-panel-guna-mendukung-net-zero-emission-sustainability-energy/>

TRAINING EXPERIENCES

- ISO 31000 Risk Management by PT. Sinergi Ruang Zaman November 2023
- ISO 31010 Risk Assesment Techniques by PT. Sinergi Ruang Zaman November 2023
- ISO 9001 Document Management Control by PT. Sinergi Ruang Zaman November 2023
- ISO 9001: 2015 Quality Management System by PT. Sinergi Ruang Zaman November 2023
- Social Media Strategy by MySkill January 2023
- Social Media Research and Analytics by MySkill January 2023
- Latihan Keterampilan Manajemen Mahasiswa (LKMM) by HMTK FT-UB August 2022

OTHER EXPERIENCES

- Moderator Indonesia Chemical Engineering Event (I-CHALLENGE) May 2025
- Master of Ceremony Open Ceremony Indonesia Chemical Engineering Event (I-CHALLENGE) May 2023
- Master of Ceremony Research and Student Scientific (RKIM) Cup April 2023
- Master of Ceremony Awarding Outstanding Student of Engineering Faculty (Mawapres FT-UB) March 2023
- Master of Ceremony Upgrading 1 Society of Renewable Energy (SRE) UB March 2023
- Presidium II Accountability Report Last Period of Research and Student Scientific (RKIM) UB December 2022
- Master of Ceremony Chemical Engineering Alumni Association Batch 2012 November 2022
- Master of Ceremony Local Project LiterAction by AIESEC July 2022

SKILLS

Language: Indonesia, English

Technicals: Microsoft Excel, Microsoft Power Point, Microsoft Word, ASPEN

Softskills: Leadership, communication, time and project management, team work, problem solving, public speaking, business and research development.