



AIDIN GINANJAR

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I have a background in Chemical Engineering at the Bandung State Polytechnic, will graduate in August 2023. Interested in the process industry, Oil and gas, Petrochemical, FMCG, and other chemical industries. Actively participates in social organizations and activities and is interested in services and education. Enjoy trying new things and have good communication, problem solving and team work skills.

WORK EXPERIENCES

PT Kilang Pertamina Internasional Refinery Unit VI Balongan - Indramayu, Jawa Barat

Jan 2023 - Feb 2023

Process Engineer Intern

BUMN companies that process crude oil and natural gas into products with high selling value through a series of processes that occur in refinery units.

- Studying the Crude Oil Processing Process in the Hydroskimming Complex, Distillation and Hydrotreating Complex, Residue Catalytic Cracker Complex, and Propylene Olefins Complex process units
- Studying Process Flow Diagrams and P&ID for Crude Distillation Units, Atmospheric Residue Hydrodemetallization Units, Gas Oil Hydrotreating Units, Kerosene Hydrotreating Units, Residue Catalytic Cracking Units, and Naphtha Processing Units
- Studying process control when products produced in the Atmospheric Residue Hydrodemetallization Unit experience off-specs (not according to specifications)
- Evaluate the performance of furnace 12-F-101 on the Atmospheric Residue Hydrodemetallization Unit by calculating its efficiency value
- Providing solutions to increase the performance efficiency of the 12-F-101 furnace by reducing O2 Excess by closing the Air Register and Damper

EDUKA SYSTEM - Bandung, Jawa Barat

Mar 2022 - Jun 2022

Tutor Live Class and Question Creator

Companies engaged in education that helps high school students get into their dream college.

- Making Questions and Discussion of Try Out Ujian Tulis Berbasis Komputer (UTBK) for Chemistry Subjects
- Teaching and discussing Try Out Questions for the Ujian Tulis Berbasis Komputer (UTBK) in Chemistry
- Set the Live Class teaching schedule and answer questions asked by students during the Live Class

DEWA EDU - Bekasi, Jawa Barat

May 2022 - Jul 2022

Chemistry Olympiad Mentor

Companies engaged in education focus on coaching students participating in the Olympics to win championships to the international level.

- Make questions and discuss the types of National Science Olympiad
- Creating and compiling a syllabus of learning materials during coaching
- Teaching material and discussing the Chemistry Olympiad
- Conduct academic coaching for Olympiad participants

EDUCATION

Politeknik Negeri Bandung - Bandung Barat, Jawa Barat

Sep 2020 - Aug 2023 (Expected)

Diploma in Chemical Engineering, 3.65/4.00

MAN 3 Sukabumi - Sukabumi, Jawa Barat

Jul 2017 - May 2020

Senior High School in Natural Science, 92.20/100.00

ORGANIZATIONAL EXPERIENCES

Himpunan Mahasiswa Jurusan Teknik Kimia - Bandung, Jawa Barat

Mar 2022 - Dec 2022

Expert Staff of the Department of Social Affairs

A student organization that brings together all students majoring in Chemical Engineering at the Politeknik Negeri Bandung as agents of change and practicing the point three tridarma of higher education.

- Carry out the "Celengan Kebaikan" movement in the form of social services, blood donations, and distribution of groceries to the homeless
- Carry out the "Gerakan Seribu" movement by collecting donations to be distributed to Association Members affected by the disaster
- Carry out the "Warta Sosma" movement in the form of providing information related to social and environmental issues on social media
- Carry out the work program "Pemberdayaan Masyarakat di Era Adaptasi Kebiasaan Baru" by providing education to residents of Cigugur Girang village, West Bandung Regency in making Handsanitizers, Disinfectants and Natural Masks
- Carry out the work program "HMJTK Ceria bersama Manula" by providing assistance in the form of groceries for the elderly in Ciwaruga village, West Bandung district
- Carry out the work program "Cadudasa bersama Desa" by conducting community service for 3 days in the village of Cisarua, West Bandung Regency

Forum Mahasiswa Bidikmisi dan KIP-K - Bandung, Jawa Barat

Mar 2022 - Dec 2022

Expert Staff of Advoham Department

A student organization that brings together all Politeknik Negeri Bandung students who have received Bidikmisi and KIP-K scholarships as a form of dedication in facilitating coordination between students and the campus.

- Bridging the relationship between students and student affairs at the Bandung State Polytechnic
- Accommodate student aspirations for further submission to the Bandung State Polytechnic Student Affairs
- Conduct studies related to information from student affairs before disseminating it to students

Assosiasi Mahasiswa Islam (Assalam) - Bandung, Jawa Barat

Mar 2022 - Dec 2022

Expert Staff of the Department of Economic Development

A student organization that brings together all Islamic students at the Bandung State Polytechnic to create a civilized POLBAN campus and produce a generation of students with good morals.

- Carry out the "Kajian Entrepreneurship" movement in the form of a webinar about business and entrepreneurship
- Implementing the "Assalam Merch Open Order Book Planner" Work Program by selling planner books for students
- Carry out the good movement of sharing takjil and heavy food in the month of Ramadan 1443 H

Ikatan Mahasiswa Sukabumi (IKAMASU) - Bandung, Jawa Barat

Mar 2022 - Dec 2022

Expert Staff of PSDM Department

A regional student organization that brings together all Politeknik Negeri Bandung students from Sukabumi to jointly build synergy between students and develop the potential that exists in the region, especially Sukabumi.

- Conducting regeneration of new Bandung State Polytechnic students from Sukabumi
- Developing student potential and talents in the form of games and competitions
- Evaluating the performance of expert staff and young staff of regional organizations, especially the "Ikatan Mahasiswa Sukabumi (IKAMASU)"

Extracurriculars Science Club - Sukabumi, Jawa Barat

Sep 2018 - Aug 2019

Chairman

Extracurriculars engaged in the academic field that aim to help students gain additional knowledge in science and technology as a provision to take part in competitions such as the Olympics.

- Carry out the duties and authorities as the executor and regulator of the running of the organization
- Carry out work and movement programs
- Supervise the course of additional learning in preparation for the Olympics
- Accommodate the implementation of competition activities outside and inside the school

Extracurriculars Deutsch Club - Sukabumi, Jawa Barat

Sep 2018 - Aug 2019

Vice Chairman

Extracurriculars engaged in the field of language which focus on Deutsch with aims to help students gain additional knowledge as a provision for participating in competitions such as the Olympics.

- Replacing the chairman in carrying out duties when the chairman is absent
- Carry out work programs and movements with extracurricular leaders
- Supervise the course of additional learning in preparation for the Olympics
- Accommodate the implementation of competition activities outside and inside the school

PROJECTS, ACHIEVEMENTS, AND SKILLS

- **Projects** (2023): Effect of Addition of Dihydrate 5-sulfosalicylic Acid and Ammonium Formate Precursors on Functional Carbon Materials (FCM) Catalysts in Ethyl Levulinate Synthesis
- **Projects** (2022): The Effect of Catalyst and Adsorbent Configurations on Fixed Bed Reactor in Dimethyl Ether Synthesis for the Success of Sustainable Development Goals
- **Projects** (2022): Configuration of Crab Shell (*Brachyura*) Biocoagulant, Tamarind Seed (*Tamarindus indica*) and NaAlO₃ for Water Purification in Flood-Prone Areas
- **Achievements** (2021): Winner of the Gold Medal in Chemistry at the National HARDIKNAS Competition
- **Achievements** (2021): Winner of the Bronze Medal in Chemistry at the National College Science Competition
- **Achievements** (2021): Winner of the Gold Medal in Chemistry at the National Kompetisi Sains Indonesia (KSI)
- **Achievements** (2019): 3rd Winner of the National Science Olympiad (OSN) for Chemistry at the Regency/City Level
- **Achievements** (2018): 1st Place in the Chemistry Olympiad at the Muhammadiyah University of Sukabumi
- **Achievements** (2018): 3rd place in LCC MIPA at the Muhammadiyah University of Sukabumi
- **Webinars Attended** (2022): Training Process Engineering
- **Soft Skills**: Public Speaking
- **Soft Skills**: Public Relations
- **Soft Skills**: Critical Thinking
- **Soft Skills**: Problem Solving
- **Soft Skills**: Leadership
- **Hard Skills**: Laboratory Skills
- **Hard Skills**: Aspen HYSYS
- **Hard Skills**: MATLAB
- **Hard Skills**: Microsoft Visio
- **Hard Skills**: Microsoft Office
- **Hard Skills**: GstarCAD
- **Hard Skills**: Instrumentation and Measurement Software