

## CECEP NUGRAHA

Gegerkalong, Sukasari • Bandung

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I am a student majoring in electrical engineering with a concentration in power systems. I am interested in everything related to technology and electricity development. I am very eager to learn new things and have a passion for growth. I have the ability to lead and work effectively in a team. I also have skills in organizational problem-solving and engineering. I have a strong interest in project management, engineering, MEP, electrical maintenance, and artificial intelligence.



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## EDUCATION

### Indonesia University of Education

*Bachelor's Degree, Electrical Engineering.* 3.69/4.00

Bandung, Indonesia

Aug 2021 – Jan 2025 (Expected)

### SMAN 2 GARUT

*High School in Mathematics and Natural Sciences,* 89.77/100.00

Garut, West Java

Jul 2018 - Jul 2021

- Achievements (2021) Ranked 11<sup>st</sup> out of 324 students in Mathematics and Natural Sciences Major
- Activity (2019 – 2020) Chairman of the Choir
- Activity (2019 – 2020) Head of Public Relations in the Youth Muslim Club

## WORK EXPERIENCE AND INTERNSHIP

### PT PLN (Persero) – ULTG Bandung Timur

*Internship in Electrical Protection Maintenance*

Bandung, West Java

Jul 2024 – Aug 2024

- Learning and implementing types of electrical protection maintenance
- Learning and implementing protection relays
- Routine maintenance of protection equipment
- Handling faults in the power transmission system

### PT PLN Indonesia Power UBP Kamojang

*Internship in Electrical Maintenance*

Bandung, West Java

Jun 2024

- Learning and implementation of Asset Management planning through analysis (FMEA, RCFA, Maintenance Strategy)
- Implementing the execution of the Maintenance Strategy through several maintenance models in the field of Electrical

### ZonaEBT

*Affiliate Student Ambassador*

Bandung, West Java

Sept 2023 – Nov 2023

- Increase awareness among students about ZonaEBT programs, especially ZE Academy
- Educate fellow students about the class options, how to register, and the benefits of attending the classes
- Attend and participate in activities and events organized by ZonaEBT
- Collaborate with the ZonaEBT team and fellow ambassadors to design and execute promotional campaigns

## LEADERSHIP EXPERIENCE AND ACTIVITIES

### **Institute of Electrical and Electronics Engineers (IEEE)**

Bandung, West Java

#### ***Manager of External Affairs***

Aug 2024 – Present

- Develop and oversee communication and branding strategies
- Manage and evaluate the execution of public events
- Establish external relationships and partnerships
- Direct the promotion of IEEE SB UPI to the public and other communities

### **Institute of Electrical and Electronics Engineers (IEEE)**

Bandung, West Java

#### ***Member of External Affairs***

Aug 2023 – Aug 2024

- Responsible for designing, implementing and evaluating all IEEE SB UPI public events
- Facilitating members' talents and interests
- Connecting IEEE SB UPI to the rest of the world through the publication, promotion and
- Branding of IEEE UPI SB

### **Campus Da'wah Institute Student Da'wah Activity Unit (LDK UKDM)**

Bandung, West Java

#### ***Staff of Human Resource Management***

Mar 2022 – Feb 2024

- Responsible for the recruitment, regeneration, and development of human resources aimed at increasing the capacity of members.
- Analyzing and developing human resources to improve management performance.
- Equipping members with tarbiyah, self-potential development, da'wah and harakah skills, and organizational skills.
- Equipping all members with conceptual, social, and technical skills.

### **One Gold Future 9.0 (Alumni Event in SMAN 2 GARUT)**

Garut, West Java

#### ***Person in Charge (PIC)***

Oct 2023 – Jan 2024

- Directing and supervising the implementation of activities
- Provide suggestions, suggestions, criticisms and sanctions to the Organizing Committee (OC)

### **Electrical Student Association (HME)**

Bandung, West Java

#### ***Staff of Member Coaching***

Sept 2022– Jun 2023

- Responsible for guiding and fostering all members of the electrical engineering education department.
- A place to develop the interests and talents of members of the electrical engineering education department, both in the fields of art, sports, and islam.

### **One Gold Future 8.0 (Alumni Event in SMAN 2 GARUT)**

Garut, West Java

#### ***Chief Executive***

Oct 2022 – Jan 2023

- Responsible to the person in charge of each division and the steering committee
- Lead all committee members in all activities
- Directing each division
- Directing and supervising the activities

## PROJECT EXPERIENCE

### **Electrical System: Installation on the 2nd Floor of The FPBS UPI Building**

#### ***Project of Electrical Installation Planning Course***

May – Jun 2024

- Determine the number of lights for lighting in each room
- Determine the number of regular contact boxes and special contact boxes for air conditioning in each room
- Determine the type of cable used
- Responsible for calculating and analyzing the electrical power distributed to the load in each room

### **I-SANSUS: Utilization of Turbidity and Filter Tubes for Access to Clean Water and Sanitation Based on The Internet of Things**

#### ***Project of Student Creativity Program (PKM)***

Feb 2024 – Apr 2024

- Coding programs to integrate all sensors from the ESP32 microcontroller in the Arduino IDE software
- Responsible for providing components, tools and project placement sites
- Work closely with 4 other team members to create final project analysis and reports

### **Automatic Fire Detector Using Arduino Nano-Based MQ-2 Fire Sensor and Gas Sensor**

#### ***Project of Digital Systems and Microprocessor Practicum Courses***

Dec 2023

- Coding programs for Arduino Nano
- Responsible for providing components and miniatures of project application
- Work closely with 2 other team members to create analysis and final report of the project

## **SKILLS AND INTERESTS**

**Hard Skills:** AutoCAD, Proteus, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Google Docs, Sheets, Slides, Canva, and Figma

**Soft Skills:** Leadership, Communication, Public Speaking, Time Management, Collaboration, Critical Thinking

**Language:** Sundanese, Indonesian, English