

I GUSTI NGURAH RYO ADI TARTA

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He is a **problem solver** interested in discussion on **algorithms, data structures, competitive programming, any technology development including linux, IoT and cybersecurity**. He has a good **analytical and creative problem solving skills**. In addition, he has the capacities and qualities in **collaboration and team organization**.

EDUCATION

B.C.S in Informatics Engineering, Brawijaya University, Malang Indonesia 2022 – Present

- Current GPA: 3.98/4.00. Undergraduate Semester 5 Student.

LEADERSHIP & ORGANIZATIONAL EXPERIENCES

Basic Programming Laboratory Assistant Malang, Indonesia

Laboratory Faculty of Computer Science Brawijaya University August 2023 - December 2023

- Tutoring, assisting and grading more than 40 students in each class for basic programming using Java programming language.

Data Structure and Algorithm Laboratory Assistant Malang, Indonesia

Laboratory Faculty of Computer Science Brawijaya University February 2024 - June 2024

- Tutoring, assisting and grading more than 30 students for understanding data Structures and Algorithms

Operating System Laboratory Assistant Malang, Indonesia

Faculty of Computer Science Brawijaya University Laboratory Assistant February 2024 - June 2024

- Tutoring, assisting and grading more than 40 students for understanding Operating Systems based on Linux.

Computer Network Laboratory Assistant Malang, Indonesia

Faculty of Computer Science Brawijaya University Laboratory Assistant August 2024 - December 2024

- Tutoring, assisting and grading more than 40 students for understanding Operating Systems based on Linux.

Competitive Programming Department Basic Computing Community (BCC) Malang, Indonesia

Member of Competitive Programming Department Basic Computing Community March 2023 - December 2023

Vice President of Competitive Programming Department December 2023 - December 2024

Steering Committee of Competitive Programming Department December 2024 - Present

- Joining some competitions in the field of competitive programming
- Explaining algorithms and solving problems in programming contest and technical interview
- Building competitive programming curriculum, coordinating competitive programming workshops, coordinating internal and external competitive programming contests.

Information Centric Network Laboratory Malang, Indonesia

Member of Cybersecurity Division December 2023 - Present

Research Team December 2023 - Present

- Research, Education and Community Service on IoT, Information Security, Cloud Solutions, and Advanced Analytics.
- Supervising by doing monitoring and evaluation for project, research and community service.

VOLUNTEER EXPERIENCES

Speaker of Klinik Koding 1 BCC for Java Basic Programming Course

Malang, Indonesia

Basic Programming Course for Freshmen

October 2023

- Attended as Java Basic Programming Speaker for CS Students in FILKOM UB.
- Basic I/O, Conditional Branches and Useful String and Math Method in Java.

Speaker of Klinik Koding 2 BCC for C++ Basic Programming Course

Malang, Indonesia

Basic Programming Course for Freshmen

November 2023

- Attended as C++ Basic Programming Speaker for CS Students in FILKOM UB.
- Basic I/O, Conditional Branches and Useful String and Math Method in C++.

ASA Study Room Teacher

Malang, Indonesia

Programming Course for Freshmen preparing for mid semester test

November 2023 - December 2023

- Teaching general concepts for basic programming topics for all first year students of FILKOM UB online.

Community Service DIPA FILKOM 2024

Malang, Indonesia

Basic Programming Course for Freshmen

January 2024 - September 2024

- One of the speakers on a training program with topics of TCP SYN FLOOD attack and its mitigation (30+ participants including lecturer).
- Making modules based on the topics. Tools being used: Snort, Hping3, Iptables, LOIC.
- Defender (Blue Team).

Coordinator of Problem Setter Team for Competitive Programming at Hology 7.0

Malang, Indonesia

FILKOM internal Competitive Programming and Capture the Flag Competition

July 2024 - November 2024

- Coordinating problem setter team consisting 10+ people to create and deploy Competitive Programming Contest on DOMJudge platform.
- Ensuring the quality and correctness of the contest problems and test cases. Participants over 100 teams.

ACHIEVEMENT & AWARD/CERTIFICATIONS

- **1st Winner** of Dekan Cup: PKM-KC (Pekan Karya Ilmiah – Karsa Cipta) FILKOM UB.
- **Finalist** on National Programming Contest (NPC) ITS – National Level.
- **Japanese Language Proficiency Test** (JLPT N3).
- **APIE** Online Course Certification.
- **APIE** Operating The Internet Certification.
- **APIE** Understanding The Internet Certification.