# HAMBALI FITRIANTO

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East Java, Indonesia

I am an Informatics Engineering graduate from Trunojoyo University Madura with expertise in programming languages such as PHP, HTML, CSS, JavaScript, and jQuery. I am experienced in using Laravel and CodeIgniter frameworks to develop robust and scalable applications. In addition, I have skills in database management with MySQL and PostgreSQL, as well as data analysis using Tableau and Power BI.

During my internship at SDN Lombang Dajah 1 Blega, I developed a comprehensive school information system using PHP and Laravel, which significantly improved the efficiency of school data management, including data on students, teachers, extracurricular activities, and awards. I also integrated data visualization using Tableau into the system.

In addition, I have experience in UI/ UX design using Figma, which I learned in the Human and Computer Interaction course during my studies.

## Work Experiences

**Lombang Dajah 1 Elementary School Blega** -  East Java, Indonesia     Dec 2022 - Jan 2023

*Website Programmer Internship*

Lombang Dajah 1 Elementary School Blega Is One Of Public Elementary School In Bangkalan, East Java, Indonesia. It is located at Raya Lombang street - Blega - Bangkalan. This school is accredited B+.

- Developed an information system for Lombang Dajah 1 Elementary School Blega using PHP and the Laravel framework, which includes management of student data, teacher data, extracurricular activities, and records of awards and competitions.
- Created and integrated data visualizations using Tableau into the system, showcasing insights such as the number of students per school year, total students over time, number of teachers, class and subject teachers, extracurricular activities, and awards won
- Assisted teachers with administrative tasks including data processing and documentation.
- Performed hardware and software installation, configuration, and maintenance.

## Education Level

**Trunojoyo University Madura** - East Java, Indonesia     Aug 2020 - Jan 2024

*Bachelor Degree in Informatics Engineering, 3.71/4.00*

- Led the final project of the Business Intelligence course focusing on data visualization using Power BI. The project involved planning, coordinating, and implementing technology solutions to effectively analyze and present data.
- Led the final project of the Data Mining and Weather Prediction course, which focused on data visualization using the Python language with libraries such as Matplotlib and Seaborn. The project featured historical data analysis and weather prediction, as well as in-depth visualization of weather patterns, seasonal trends, and data variability.
- Led the final project of the Information Systems course, where I developed a library final project that focused on data visualization using Tableau. The project involved creating visualizations that interactively displayed various aspects of library data, such as book counts, book loans, and user statistics.
- Led the Final Project for Database I and II: Managed a final project involving the creation and management of a database. The project involved developing a database system from existing forms into a database format using MySQL. Responsibilities included designing a database schema, normalizing data, and implementing an efficient database structure to support the needs of the designed application or system.

## Organisational Experience

**Information Technology Center** - Trunojoyo University Madura     Nov 2020 - Dec 2023

*Member*

Information Technology Center is one of the organizations on the campus of Trunojoyo Madura University which is engaged in technology.

- Organize training and workshops for technology users on campus, with a focus on developing PHP programming skills and using the Laravel framework.
- Teach programming techniques, web application development, and the use of software such as PHP, Laravel, and other tools, to enhance users' ability to build and manage web applications effectively.
- Organize training and workshops for technology users on campus, focusing on developing data analysis skills and the use of analytics tools. Teach data analysis techniques, visualization, and the use of software such as Power BI, Tableau, and Microsoft Excel, to improve users' ability to analyze and present data effectively.

## Skills, Achievements & Other Experience

- **Hard Skills** : Proficient in PHP, HTML, CSS, jQuery, as well as the use of Laravel and CodeIgniter frameworks, with in‑depth knowledge of database management such as MySQL and PostgreSQL. Skilled in UI/UX design using Figma to create user-friendly applications. Ability to write clean code that is structured and well-documented, and to quickly learn and adapt to new technologies.
- **Soft Skills**: Effective communication skills, problem-solving ability, good time management, and ability to work independently and in a team. Adaptive to change, creative in problem-solving approach, disciplined in work, and able to work well in a team environment.
- **Projects** (2021): Creating a web‑based information system using the PHP programming language and the Laravel Framework to promote tourism in Madura and increase easy access to information for tourists regarding tourist attractions, accommodation, and tourism services in Madura.
- **Projects** (2022): Creating a web‑based information system using the PHP programming language and the Laravel Framework for tutoring management and increasing efficiency in managing student data, schedules, and finances at tutoring institutions.
- **Projects** (2022): Creating a web‑based information system using the PHP programming language and the Laravel Framework for library management and increasing efficiency in managing book collections, borrowing, and returning books in the library.
- **Internship Project** (2022) : Create a web‑based school information system using PHP programming language and Laravel framework.
- **Projects** (2023): Creating a web‑based information system using the PHP programming language and the Laravel Framework to monitor and manage the production process of traditional Madurese herbal medicine and improve efficiency and effectiveness in the management of raw materials, production processes, and distribution of Madurese herbal medicine.
- **Certificate** (2021): CCNAv7: Introduction to Networks
- **Certificate** (2024): Toefl ITP
- **Certificate Participation** (2024): "Web Development for Beginner: Become a Fullstack Web Developer from Front End to Back End"
- **Certificate Participation** (2024): Learning Flutter: "The Key to Becoming a Mobile Developer"
- **Certificate Participation** (2024): Microsoft Excel: "Manage Thousands of Data Without Microsoft Excel"
- **Webinars Attended** (2022): "Upgrade Your Knowlegde With Explore Your English Skills"