HIGHKAL W

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Final year **Informatics student** at ITPLN with passion for **Technological development of Android and Software Architecture.**

# EDUCATION

**Institut Teknologi PLN – Jakarta** August 2019 - September 2023 (Expected)

*Bachelor’s Degree in Informatics Engineering*

* **Current GPA** : 3.83 / 4.00 [[transcript](https://drive.google.com/file/d/112nph-cp1XpZKYgXv0ve4u4xDeWNK6xl/view?usp=sharing)]
* **Basic English Education Standardization (BEES)** led by Language Development Center - ITPLN
* **Microsoft Office Specialist PPT(MOS)**: 914/1000 [[PDF](https://drive.google.com/drive/folders/1S-kHExlXSGx4W650qu9-dhSqY76IGnfF?usp=sharing)] led by Information Technology Certification Center (ITCC) – ITPLN

# EXPERIENCE

**Laboratory Assistant – Jakarta** February 2020 - Present

*Hardware Division Coordinator*

* Software Architecture and Quality Laboratory [[website](https://ften.itpln.ac.id/id/MzE1-Software-Architecture-and-Quality-Laboratory.html)].

**Bangkit Academy led by Google, Tokopedia, Gojek & Traveloka – Jakarta** February 2022 - July 2021

*Mobile Development Path*

* **Top 53 Capstone Project Team (Nawara)** 13out of 437 Team [[PDF](https://drive.google.com/file/d/1mZ0qidfTh-MvPZyMNfGD76uw05mVVEvO/view?usp=sharing)].
* Nawara App serves as an application for women and children in Indonesia to help handle the law protection and mental consultation problems with reliable lawyers and psychologists. This app provides a safe place for the victims to tell their stories where law protection is guaranteed for them.
* Led Bangkit capstone project team that consists of 6 people with the women empowerment, children protection, and accessibility themed project, utilizing **Kotlin** and **XML**.
* **Modules Taken**: Learn Git Basics with GitHub, Start Basic Programming To Become a Software Developer, Introduction To Programming Logic (Programming Logic 101), Start Programming With Kotlin, Learn SOLID Programming Principles, Learn to Create Android Apps for Beginners, Learn Android Application Fundamentals, Learn UX Basics Design, Learn Intermediate Android Application Development, Expert Android Developer [[PDF](https://drive.google.com/drive/folders/1JUegqs1dJGIVSvE2Qp6GvDr-7xmPq-aA?usp=sharing)].

**Student Exchange by APERTI BUMN - Purwokerto** September 2021 – January 2022

*Telkom Institute of Technology Purwokerto*

* Take the Dynamics System Class in the Industrial Engineering study program.
* **Last Project:** Simulation of rice availability in East Java.

Predict the availability of rice from 2013 to 2020 and analyze East Java's readiness to achieve this target.

# PROJECT, AWARDS, CERTIFICATION & SKILLS

* **Projects**:

1. Github User App **5 of 5 stars** (Fundamental Android) [[Github](https://github.com/HighkalW/GithubUser-App)]

Implementing a database in an application (SQLite and Room). Store setting data with key-value store (Training DataStore). Create a menu to change the theme (light theme or dark theme) using key-value storage. The application able to add and remove users from the favorites list. The application have a page that displays a list of favorites. Displays the detail page of the favorites list.

1. Story App **4 of 5 stars** (Intermediate Android) [[Github](https://github.com/HighkalW/SubmissionIntermedieteFinal)]

Shows a new page with a map showing all the stories that have the correct location. It can be in the form of a marker or an icon in the form of an image. The story data that has a latitude and longitude location is taken through the location parameter that has been provided. Displays a list of stories using Paging 3 correctly.

1. UX Case Study SurfEyes App **4 of 5 stars** (UX Design)[[PPT]](https://docs.google.com/presentation/d/15d5Srnm7kW37qgD0x6xam5gdCpVq3LxS/edit?usp=sharing&ouid=104193594123580472959&rtpof=true&sd=true)

SurfEyes is a survey service provider application for surveyors who are looking for potential users to be research objects as well as a place for respondents to fill out surveys based on their personal experiences and benefit from participating in them.

1. Nawara App(Capstone Project) [[Github](https://github.com/HighkalW/CapstoneProject)]

It is a simple, reliable, fun and creative social network service. It is a valuable communication tool with others locally and worldwide, as well as to share, create, and spread information.This Apps allows you to share your photos and videos with your friends, families and followers. It also provides a chatroom for secure messaging. Multiple chatrooms can be created by a user. Users can like and comment (with toxicity classifier machine learning models) on photos and follow other users to add their content to a personal feed.

* **Awards** : 1st Winner Sharia Finance Expo#6 (UIN Sunan Kalijaga) [[PDF](https://drive.google.com/file/d/11dSRkNBwX5_L3mApZhUdLX9_M97zZ3r0/view?usp=sharing)].
* **Certification**:Software Engineer by Eduwork, Practical DevOps with IBM Cloud.
* **Skills**: Kotlin, C++, Java, SQL, CSS, PHP, GO Fundamental, JavaScript, Public Speaking, UX Research, Visual Communication, Wireframing, and Prototyping.