



**MOBILE APPLICATION DEVELOPMENT FOR SMALL  
BUSINESS INTERNAL ASSET MANAGEMENT USING  
FLUTTER**

**Submitted as one of the requirements to obtain Sarjana Komputer  
(S.kom)**

By

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September 2024

## PLAGIARISM CHECK RESULT

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### Scan Summary

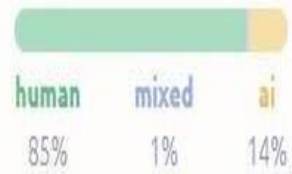
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## ABSTRACT

### **Goal:**

In this final project a systematical approach for designing mobile-based internal assets management for small business is reviewed. Furthermore, this final project served as a solution to help a local company keeping track of their internal assets such as laptops, vehicles and even company building while also keeping track of their condition and their market value to further best maintain its value for the company.

### **Benefit:**

The benefit of the proposed work is to enable local small business keeps track of their internal assets by keeping it maintained, keeping track of their market value, and determine whether the said assets. This solution can not only be used by the businesses that this application is intended for. But it can be developed for open public use if more company deemed it necessary.

### **The method is not the same as tools**

The approach utilized to achieve the project goal is by no means as previously researched approach like Saputra, Dandi, and Rafiati Kania. "Designing User Interface of a Mobile Learning Application by Using a Design Thinking Approach: A Case Study on UNI Course." Journal of Marketing Innovation (JMI) 2.2 (2022) that uses design thinking approach or Sulastrri, Heni, et al. "Implementation of User Center Design (UCD) in Achieving Design by Focusing on End Users in the Caribi Mobile Application." International Conference of Tropical Studies and its Applications (ICTROPS 2022). Atlantis Press, 2023. That uses a user-centered design approach as means to develop an application. Instead, this project will use iterative and incremental development method (IID) and task-centered design approach to achieve faster development process. Furthermore, this application is also taking inspiration from enterprise solutions that already exists such as Enterprise Assets Management Software from SAP or Assets panda for trusted UI and UX design inspiration. And common marketplace data such as OLX for their vehicle and other products data with common webscraping tools.

As for the tools used in the design process are Flutter for frontend framework, Node JS with Express JS for the backend and PostgreSQL for database

### **[NOVELTY: THESIS]**

The proposed method is by using IID development method with a task-centered design approach and pre-existing design patterns for a faster development method. With advanced filtering options such as by specific perfume smells or best for what occasions to improve user experience when purchasing the item Taking inspiration from Enterprise Assets Management Software from SAP or Assets panda for trusted. as guidelines, page layouts and base components. Creates intuitive workflow and less adjusting time making the app easier to use.

**Results:**

By using the proposed method, the results gain less adjustment time, better user experience, and hopefully a measurable sales increase for the business and satisfying user experience.

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