

## **ABSTRACT**

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### **REWRITE B2C LINKAJA APP ARCHITECTURE WITH CLEAN ARCHITECTURE**

*In the midst of this rapidly developing digital era, especially smart mobile applications among the society, in making sustainable applications it is not enough just to be an application. However, it is very important to pay attention to various factors including security factors, usability factors, scalability factors, maintainability factors, and others. There are many ways to improve on these factors, and one of the most fundamental in designing an application architecture is to think about sustainable long-term application development. In this report, we will discuss how to rewrite the LinkAja B2C application using the Clean Architecture architecture to improve the maintainability, readability, scalability aspects of the application. Because in developing a continuous application project, you will definitely experience where the project will swell and will certainly interfere with continuing the development of a project if it starts with technically inappropriate architecture or design patterns. This happened in the Linkaja application, which is based on the T-Cash application, and we took the initiative to create/rewrite a new Linkaja application with an architecture that is more reliable than before, namely Clean Architecture, an architecture that separates layers including Presentation Layer, Domain Layer, and Data Layer. So that each Object only has one Responsibility, not randomly mixed up with multiple tasks. The application that will be produced at the end of this report is an application that has implemented a clean architecture and can be used smoothly by LinkAja users.*

**Keywords:** Rearchitecture, Clean Architecture, Rewrite, iOS, Mobile App