

## **ABSTRACT**

### **DESIGN AND DEVELOPMENT OF A MOBILE-BASED ORDER MANAGEMENT APPLICATION USING THE RAPID APPLICATION DEVELOPMENT METHOD**

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*Technology has been widely utilized and developed in various sectors, including the business sector. TelU Coffee is one business that uses technopreneurship in its processes. Currently, TelU Coffee faces challenges in managing order data because it still relies on manual record-keeping and reporting. Additionally, the employee attendance system is manual, which makes it difficult for management to quickly and accurately monitor employee discipline. Interviews, surveys, and questionnaires indicate that TelU Coffee's monitoring and management processes need improvement in terms of system and feature development. Using Android native programming with Kotlin for mobile app development is a new approach to improving app systems. The Rapid Application Development (RAD) method aims to produce apps with concise development times while considering user feedback. The mobile application is expected to make data management processes, employee monitoring, and order management more convenient for managers, employees, and customers. Black box testing was used to evaluate the application's functionality, and the System Usability Scale (SUS) was used to conduct usability measurements on the application, resulting in a score of 82.80, which falls into the "Very Good" category.*

**Keywords: Design and Build, Mobile Application, TelU Coffee, Android Native, RAD.**