

**ABSTRACT**

**DESIGN OF CASHIER APPLICATIONS AND STOCK OF  
ANDROID-BASED (CASE STUDY: LOYAL TRADING  
BUSINESS OF CITIZENS)**

By

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18102025

*Usaha Dagang (UD) Setia Warga is a trading business engaged in bottled drinking water with various types located in the Pesanggrahan area, South Jakarta. This business was established in 2004 and is managed by the owner. The service system applied in running and managing a business still uses a conventional or manual system. This system is considered less than optimal in carrying out all activities at UD Setia Warga. One of the problems that occurs at UD Setia Warga concerns the process of calculating transactions that are still manual, which often experience errors, thus affecting the calculation of the remaining product stock and stock information which is still done manually by looking at the stock available in the store. Therefore, designing cashier and stock applications can help the shop owner's service process to develop his business. The design of cashier and stock item applications uses the Agile Development method software development methodology, using the Agile Development method can be done in making this application with results according to the needs of shop owners and UD Setia Warga employees. The test used to test this application is using Black Box Testing and testing application user satisfaction using the System Usability Scale (SUS). Blackbox-testing was carried out with a number of 2 different devices and user satisfaction testing was carried out directly with participants totaling 8 employees and shop owners. From the results of blackbox testing, 100% of the two devices can function to run each menu feature as expected and then, user satisfaction testing using the System Usability Scale (SUS) was carried out 2 times, the application managed to get an average SUS score of 69.1 which means the application is in the good category.*

**Keywords :** *Application, Android, Agile Development, Black Box Testing, SUS*