

ABSTRACT

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ANDROID-BASED E-COMMERCE APPLICATION AND WEBSITE AT GROW
WITH PLANT STORE USING FLUTTER AND FIREBASE.

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Keyword: Android, Flutter, Dart, E-Commerce, Firebase.

(xvii + 93 Page + 78 Attachment)

E-commerce is the activity of distributing, selling, purchasing, marketing products (goods or services), by utilizing telecommunications networks such as the internet and computer networks. E-commerce is the activity of using information and communication technology in conducting business transactions to create, change and redefine the relationship between sellers and buyers. In simple terms, e-commerce can be defined as the activity of buying and selling goods, services or transmitting funds or data using electronics connected to the internet. The E-Commerce application at the Android-based Grow with Plant Store and Website will be used as a medium to make it easier for customers to make plant purchases.

This E-commerce application development uses the Dart programming language and a Flutter Framework which is used in developing applications for the Android, iOS and Website Operating Systems. Flutter is also useful for building cross-platform applications with just one codebase. Application development uses the Waterfall type SDLC method. Making this application begins with application design, program code creation, and application testing and implementation. This application can be used on Android smartphones and websites using Flutter and Android Studio. This application can be used on Android smartphones with a minimum Operating System 8.0.

Based on the results of trials on three types of smartphones, this application can run well in terms of appearance and process. The e-commerce application for users has been successfully used on three types of Android smartphones, while the admin application can be run on three types of browsers. Plant purchase transactions can be made via an Android smartphone, and the admin can manage products and orders through the website. Based on the calculation results of User Acceptance Testing, it can be concluded that the user considers this application to be good in terms of the Interface, Content, Display Flow, and Application Usability. This application has been uploaded with the address <https://syahfad.github.io/#/>.

Bibliography (2012-2022)