

ABSTRACT

DESIGN APPLICATIONS ANDROID-BASED ELECTRONIC PULSE AGENT

(CASE STUDY PULSE DISTRIBUTOR MAXREFIL)

By

Ferdi Tanza Hartawan

The problem in this research is to build the client application to the server for the sale of electronic pulses on the pulse distributor company Maxrefil so as to minimize the failure rate in the transaction process. The purpose of this research is to build client applications to server sales of Android-based electronic pulses.

This application development using waterfall method. This method is systematic or sequentially in building a system or application. Results from this study is the application client to server sales of electronic pulses. System testing is done to check the application program as a whole, from design to implementation of coding applications.

The test results of this application is an application can be installed and run properly on Android devices version of the ICS, Jelly Bean, and Kitkat. The success rate of applications in providing convenience in the sale pulses with a very good percentage of 60%, 35% good, and quite by 5%. The success rate of applications in minimizing a failure in the sale pulses with a very good percentage of 90% and good by 10%.

Keywords : Electronic Pulse, Android, Waterfall Method.