

ABSTRACT

Ricky Merdiansyah. 2013. Rancang Bangun Aplikasi Desktop Sistem Penjualan Pulsa Dengan Nomor Faktur Sebagai Antrian Proses. Skripsi Program Studi Teknik Informatika, Program Teknologi Informasi dan Ilmu Komputer, Universitas Brawijaya.

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Of the existing problems in current pulses transaction, an application was made to solve the existing problems. The effectiveness and efficiency of the system on the application may be obtained by performing three tests. namely functional testing, UAT testing (*User Acceptance Testing*) and performance testing. Functional testing shows all the features that run in accordance with user needs. In testing UAT (*User Acceptance Testing*) was obtained from a questionnaire that was tested on 45 users and 5 administrators and meet the criteria for perceive of use and easy of use. Performance testing was conducted to compare the efficiency of time with the old system. Of the 20 transactions, the queue was obtained 5 minutes faster than the manual system which takes 11.45 minutes. The results of this application administrators can use to minimize errors due to the lead actor in this application is the purchaser where all input transactions made by the buyer.

Kata Kunci: Desktop application, Mobile phone credits, *AT-Command*, Waterfall Model