ABSTRACT

Sparring Game Center is a business engaged in the field of PlayStation 5 rental services located in Sukaluyu, Bandung. Sparring Game Center also sells bottled drinks for customers when playing PlayStation, so they don't have to go out to buy drinks anymore. So it is necessary to purchase goods transactions to meet stock availability. The process of recording and managing every transaction in this business is still done manually in the book which can cause errors in making calculations. To overcome the problems previously mentioned, a web-based application was built to purchase goods. The developed application is made using the Software Development Life Cycle (SDLC) method with the waterfall model, the PHP programming language, the design using the Unified Modeling Language (UML), the MySQL database server, and the CodeIgniter framework 4. Application testing uses manual testing, application testing processes, and methods of black box testing. This application aims to make it easier for users to manage merchandise data, record purchase transactions, create stock cards and stock availability systems as well as prepare purchase reports, general journals, and ledgers. It can be concluded that the conclusion of this web-based application for purchasing and inventory of merchandise can help companies to make good financial reports based on transaction management whose functionality can manage goods data, purchase transactions, make inventory lists and stock cards, make purchase reports, and general journals. and ledger.

Keywords: purchasing, inventory, goods, reports, waterfall, PHP.