ABSTRACT

Optik Rodilsa is a business that is engaged in the sale of glasses. This optic sells a wide variety of products such as frames, lenses, flens and eyeglass cleaning fluids. This optician also provides free eye examinations. The process of recording purchases, sales and expenses transactions is still using a notebook. So the owner is difficult to see the total transactions that have occurred in the notebook and sometimes the sheets of the notebook are torn. Therefore it can ignore that the recording of transactions is ineffective and it is necessary to make an application that can help manage transactions with "Web-Based Applications for Sales, Purchasing Glasses and Softlens Stocks Using Barcodes (Case Study Optik Rodilsa, Bekasi Timur)". It is hoped that this application can facilitate the management of sales and purchases and can print sales invoices and purchases and can also produce financial records such as journals, ledgers, trial balances, income statements, sales reports, stock reports in warehouses and warning reports. stock in the warehouse and can load and load and can display graphs of rising, revenue, and sales profits. This application also generates barcode that can make it easier for employees to make sales transactions. This application was built using the system development life cycle (SDLC) method, and in the design process using a united modeling language (UML), then the database design used an Entity Relationship diagram (ERD) and the programming language used was Hypertext preprocessor (PHP), using codeignifer framework as well as in the database using MySQL. In testing the functionality of this application using blackbox testing.

Keywords: Sales, Purchasing, barcode, PHP, MySQL, Codeignifer.