MOBILE BASED SOLAR PANEL SALES APPLICATION DESIGN
(Case Study: PT Indodaya Surya Lestari, Jakarta)

GUSTIAN NUR HIDAYAT

Informatics Study Program, Faculty of Science & Technology

University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
E-mail: ndayat246@gmail.com

ABSTRACT

PT Indodaya Surya Lestari, a company engaged in renewable energy, faces obstacles in managing sales and promotions of solar panel products which are still done manually. This process is considered ineffective, especially for customers who are in remote locations, due to limited access to information and purchases. To overcome this problem, this study aims to design and develop a mobile-based solar panel sales application connected to a web-based system for admins, to support transaction efficiency and product management. This application is developed using the PHP programming language, CodeIgniter framework and MySQL database. The system is designed with two types of access: web for admins and mobile for customers. Admins have full access rights to manage products, transactions and sales reports, while customers can take advantage of product search features, wishlists and online purchases. System testing is carried out using the BlackBox method, which shows that all features run according to needs without errors. The implementation of this application is expected to increase the effectiveness of promotions, expand customer reach, provide easy access to information and support overall sales management efficiency.

Keywords: Solar Panel Sales, Mobile Sales Application, CodeIgniter