

ABSTRACT

Data collection is a process of recording accurate information about various entities, including humans, objects, environments, and specific events. The execution of data collection requires a significant level of concentration so that the relevant entities can be comprehensively documented. To achieve efficiency in the data collection process, it is crucial that the supporting media used possess optimal characteristics. The types of data collection can vary, and in the context of this research, the focus will be on the collection of port directions on devices within PT. PLN Indonesia Comnets Plus SBU West Java.

In the execution of collecting port directions on devices, the presence of adequate facilities is a necessity. Therefore, the development of a platform in the form of a website has been initiated, which will be capable of managing the process of collecting port directions in various regions under the company's responsibility. In the development of this web application, the CodeIgniter framework has been chosen as the primary foundation. This choice was made because the framework could support various relational database management systems (RDBMS) such as MySQL, MySQLi, SQL Server, Oracle, Maria DB, PostgreSQL, SQLite, and several other RDBMS.

The use of this website provides convenience to users in conducting data collection regarding the destination ports on devices, with most users (56%) feeling very assisted and 44% feeling assisted. Additionally, features like region management, port input, and the admin page have also received positive feedback from users. With these survey results, it is hoped that the design of this website can provide an effective solution for managing and collecting port directions on devices, as well as improving workflow efficiency within the company.

Keywords: Ports, Data, Codeigniter, MySQL, Databases.