

ABSTRACT

DATA MART SYSTEM USING ODOO FRAMEWORK BASED ON WEBSITE AT PT. TUNAS DWIPA MATRA

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The development of information and communication technology has now changed the way people view and act in spending time at work and overcoming all their problems. PT. Tunas Dwipa Matra is engaged in the sales service network of units and spare parts for Honda motorcycles. In the warehouse at PT. Tunas Dwipa Matra in data processing is still done by recording into a ledger and a computer with an applied application, namely Microsoft Excel. The problem that rose in the warehouse section of the company was a decrease in sales of goods due to slow warehouse management, especially in terms of processing transaction data and not properly structured data which resulted in the data information errors. Therefore, improvements were needed in the form of a website-based system that helped the company's data processing process to be more efficient, and well structured.

The software development method in this system used the Prototype method. Where the Prototype stage consisted of Communication, Building and Repairing the Prototype and Testing. The Prototype method was used to explore needs more precisely and involve users directly, in which several problems were found. The system that was built using the Odoo Framework as the framework for developing the Data Mart system. In this study using a Data Mart with the consideration that Data Mart is easier to implement and has a smaller risk of failure.

The result of this research was that the website-based Data Mart system that was able to help the company's data processing process to be more efficient, and well structured. By utilizing the API as a liaison between the company's back office system and the system created. API serves as a bridge to connect the two systems to be integrated with each other.

Keywords: Data Mart, Odoo Framework, API, Website

