

ABSTRACT

DESIGN OF ENTERPRISE RESOURCE PLANNING SYSTEM IN INVENTORY MANAGEMENT MODULE USING ODOO APPLICATION WITH QUICKSTART METHOD IN PHARMACY ROOM OF PUSKESMAS III DENPASAR UTARA

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Health is one of the fundamental human rights owned by every citizen. One of the Indonesian government's efforts is by building a government agency in each district, namely Public Health Center (Puskesmas). Puskesmas III Denpasar Utara is one of the public health located in the North Denpasar sub-district. Currently, the Pharmacy Room at Puskesmas III Denpasar Utara has not been supported by an integrated information system to manage data and request goods from various service rooms, program executors and auxiliary public health centers. All data exchange processes are still done manually and conventional. So it is necessary to design an information system that can assist the pharmacy room in managing data and demand for goods in the public health center. This research will focus on designing an ERP system in the Pharmacy Room section of the North Denpasar Health Center III using Odoo software in the inventory management module using QuickStart methodology. The result of this research is an ERP system regarding inventory and warehouse management that can be integrated with other event module and various service rooms. This system can assist the Pharmacy Room in managing data and requests by automatically and integrated. The designed system has been evaluated using several tests: Black-box Testing, Stress Testing and Cross-Browser Testing. In Black-box Testing, all given scenarios have been successfully executed by the system properly. Likewise, Stress Testing and Cross-browser Testing, the system shows good response and a display that is as configured.

Key Word: Public Health Center, ERP, Odoo, QuickStart method, Inventory management.