

ABSTRACT

As a national referral center for nuclear medicine services, RSUP Dr. Hasan Sadikin is required to continuously improve the quality of its services, including enhancing patient care, and reducing errors that may occur during the patient examination process. Currently, RSUP Dr. Hasan Sadikin, especially the nuclear medicine installations, offers 45 types of examination services, leading to a high volume of patient examinations daily. This presents a considerable challenge for the nuclear medicine department in providing patient examination services, as there is currently no integrated registration system linked with the patient examination monitoring system. The integration of data and information becomes crucial in-patient examination activities, particularly the issues related to data and information integration that may affect the effectiveness of the examination reporting process.

This research will develop an ERP system for patient examination activities with the Odoo application using the Quickstart development method. This research will focus on the integration of data and information on patient examination process. Every patient examination data generated can be entered into the Odoo system, so that data and information storage becomes centralized. This research can provide solutions to the problems faced, namely the integration of the business process of patient registration with the patient examination monitoring system and provide suggestions for data and information integration in patient examination activities with other departments in the nuclear medicine installation, which will provide a good reporting system output and is easy to generate and produce a variety of patient examination reports.

Keywords: Patient Examination, Nuclear Medicine Services, Enterprise Resource Planning, Odoo, Quickstart