

## **ABSTRACT**

*RSUP Dr. Hasan Sadikin (RSHS) Bandung is one of the class A hospitals which is the highest referral in West Java, and is one of the hospitals in the city of Bandung which also has a Nuclear Medicine Installation. Just like other hospitals, the registration process is of course the initial process to start the examination, be it for examination in the Nuclear Medicine Installation or in other installations at RSUP Dr. Hassan Sadikin. RSHS can receive more than 200 patients per day, which of course can cause various problems, knowing also that all the registration processes that occur are still centralized. In the registration process, patients are divided into two types of patients; General and BPJS. The central registration system raises several problems that occur in Nuclear Medicine Installations, for example patient data that registers can only be accessed through the RSHS registration center which makes the Nuclear Medicine Installation service sector not yet have a system that contains patient databases, so the installation is still making a system reporting manually. The Nuclear Medicine Installation is also still not integrated between patient registration and examination and management of other systems. In this research, an Enterprise Resource Planning (ERP) system for general patient registration modules and BPJS will be developed using the open-source Odoo which will support patient registration management using the Quickstart method. The ERP system makes it easy for hospitals to design patient registration systems starting from the initial registration process, patient payments, to patient scheduling. The system will be tested functionally using integration testing and blackbox testing which will be validated by the Nuclear Medical Installation service department. The results of this study are the development of a general patient registration system and BPJS, as well as patient examination scheduling, and reporting related to patient registration.*

**Keywords — Enterprise Resource Planning (ERP), open-source Odoo, Quickstart, Patient Registration, General, BPJS**