

## ABSTRACT

### IMPLEMENTATION ANALYSIS OF ENTERPRISE RESOURCE PLANNING SYSTEM IN ACCOUNTING AND INVOICE MANAGEMENT MODULE BASED ON ODOO WITH ISO/IEC 25010: 2011 SYSTEM QUALITY TEST

(CASE STUDY: AYAM BOSS MERAPI)

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*Ayam Boss Merapi is a Small Medium Enterprise (SME) based restaurant that is growing rapidly in the culinary of Bandung Regency. The food produced by the Ayam Boss Merapi restaurant consists of various kinds of chicken, which is combined with many variants of appetizing sauces types. One of the business processes in the Ayam Boss Merapi restaurant is the process of recording and printing the results of transactions, which includes the results of the sale of food transactions to customers, recording the purchase of raw materials from suppliers, to the invoice printing process which is to proof that the transaction has been implemented and recap in realtime. The Ayam Boss Merapi restaurant uses a semi-manual system to meet business needs, especially the operational part. Problems that arise in the Invoicing and Accounting section are when there is no technology used by the Ayam Boss Merapi restaurant in printing invoices and there is also no technology used by restaurants to recap and integrate the data resulting from sales and purchases of raw materials needed by restaurants. As a result, Ayam Boss Merapi restaurants often experience obstacles in recapitalizing the net income earned during the sale and the process of recording transaction data cannot be accurately recorded because the data is not integrated in real time. Development of Enterprise Resource Planning (ERP) system that is open source is a solution to the problems that occur in the Ayam Boss Merapi restaurant. Considering that the Ayam Boss Merapi restaurant is still in the process of developing, it is necessary to have an ERP system that is affordable and easy to implement, therefore, Odoo was chosen as an open source software that can help with the Ayam Boss Merapi restaurant problem. Odoo system development uses the QuickStart method. This methodology can help the implementation process be completed with fast time and affordable costs, which can be adjusted to the project in progress. The main goals to the ERP systems development in invoice management and accounting modules at Ayam Boss Merapi restaurant is to record and print transaction data in real time, integrate all sales data effectively and efficiently, monitorize debt and receivable in active period, and to calculate profit and loss summary automaticaly. After the system implmentation process is complete, testing is done using the Black Box Testing based to ISO 25010:2011 as a reference for successful implementation.*

*Keywords: Invoice, Invoice Management, Accounting, ERP, Odoo, QuickStart Methodology, Black Box Testing, ISO 25010:2011*