

## ABSTRACT

CV. Kembar Mekar is a company majoring in production for animal livestock and rice milling. There are some product this company produced: various quality of rice, cutted rice, bekatul, dedak, and sekam. The company is located at Jalan Sapan No. 27, North Jongor, Serang Mekar Village, Ciparay, Bandung district. Because the company recording is not yet integrated, this can cause some potential data error. For examples the currently running workflow in business process often result invalid documents between existing data on procurement division and accounting division. In the procurement process too there always an invalid record beetwen demanding goods and goods requested, goods ordered, and goods received so there will be an error data in the procurement division. In addition there is still data redundancy, data duplication, and slow payment processing.

Based on the description above then made the building of information systems based on enterprise resource planning on purchasing and inventory module using odoo with ASAP method. At the design stage, researchers conduct interviews and direct observation and building system based on business processes that exist and business process in the system. Then look for business plan output. After the business plan was made the next is installation, configuration, customization, technical development, and making of purchasing and inventory module. Then testing the integration testing system and user acceptance testing to determine whether the system has been built fully fullfill the needs and can be implemented on the company.

Within the development of ERP systems based on Odoo module for purchasing and inventory, procurement activities can be well documented and the report of warehouse activities within the company became accurate. In addition, procurement and warehouse division can be integrated with other related division such as production, sales and accounting division so that information can be presented quickly and realtime.

Keywords: ERP, *Purchasing*, *Inventory*, Odoo, ASAP