

## **ABSTRACT**

*In the current era of globalization, the role of information technology has shifted from being used only as a tool to support company operations, to becoming a catalyst for fundamental changes in company structure, operations and management. Therefore, information system planning for an organization should be integrated into the organization's planning so that the existence of this information system becomes part of the organization's strategy in achieving its vision and mission. CV. Wahana Langgeng Sembada is a private company engaged in Industrial Engineering and Control Systems. With existing business processes, the company has problems with warehouse inventory management records, due to the absence of recording and inventory management in any form. This study aims to design a-based application website that can help CV. Wahana Langgeng Sembada in managing warehouse inventory.*

*This inventory application is designed using the method Agile Scrum Development. The system development stage begins with the analysis of the existing business process of the old system which is analyzed using the method Process Business Modelling so that the proposed business process is obtained which is then followed by the stage of making the system by collecting the required data by eliciting user needs, this data is the basic data for making applications. This application is based on website that uses the framework PHP CodeIgniter and MySQL as data storage. Then proceed to the system testing phase using the method Blackbox Testing and ISO: 9126.*

*The results of this study are a application website to make it easier for companies to manage raw materials in and out of the warehouse so that the current stock can be seen, there is also a way to minimize recording errors due to manual calculations.*

*Keywords: Agile Scrum Development, Warehouse Inventory Application, Raw Material Stock*