ABSTRACT

In early 2022, the Ministry of State-Owned Enterprises of the Republic of Indonesia officially formed PT XYZ, which consists of PT A as the Parent Company and PT B and PT C as subsidiary companies. This decision was driven by global healthcare sector trends and diseases in developing countries. Currently, the procurement function at PT XYZ does not have a system to support joint procurement processes. Another issue is that each subsidiary company has different procurement process timelines, making procurement at PT XYZ ineffective and inefficient. The objective of this research is to design an information system for PT XYZ to enable digital procurement processes and improve the efficiency and effectiveness of the supply chain, starting from coordinating the delivery of goods/services needs, scheduling, and controlling procurement to support production operations.The research methodology used in this study is the Agile Scrum method. The system development stages begin with business process analysis, followed by system development with the collection of required information through user needs elicitation via interviews and using the MDI and TOE methods. Subsequently, the system testing phase is conducted using blackbox testing and ISO 9126.The result of this research is an information system for the procurement of goods and services designed to facilitate effective and efficient procurement processes among PT XYZ's subsidiary companies, reducing the procurement process time at PT XYZ to 62 days.

Keywords: Agile Scrum, Procurement Information System, Joint Procurement.