

ABSTRACT

Enterprise Resource Planning (ERP) is an information system capable of integrating various functions within a company to provide a comprehensive view of business activities, thereby expediting decision-making for stakeholders. XYZ is a holding company formed in 2020 by prominent pharmaceutical companies, each of which had already implemented ERP systems before merging into the parent company. XYZ plans to implement a centralized ERP system that will oversee the entire holding company, facilitating effective and efficient management and control across its expansive scope. Therefore, an analysis is required to assess the system's compatibility with the company's business needs. This research aims to analyze these aspects to identify the strengths and weaknesses of implementing an ERP system based on Microsoft Dynamics AX at XYZ. It also aims to produce a blueprint detailing the requirements of both Microsoft Dynamics AX and XYZ using ERP Implementation Framework to create a solution model. This analysis results in a solution model covering these requirements from a organization & people, process, application, data, dan infrastructure perspective. It evaluates the alignment between system and business needs, concluding that XYZ is well-suited to implement Microsoft Dynamics AX because its business processes can be supported by the system, and the technology requirements can be met by XYZ. The findings of this research can serve as a reference for XYZ when considering the implementation of an ERP system and as a basis for future research to continue this study.

Keywords: ERP, ERP Implementation Framework, Microsoft Dynamics AX, holding company