ABSTRACT

The garment industry is an industry that produces apparel and clothing. What is meant by apparel is all kinds of clothing from textile materials for men, women, children, and babies. In running the garment industry business, of course, it requires a design that can support the company's business process/strategy. In general, garment industry is still not able to optimize the use of the system to improve the processes that exist in the finance function. In aligning the competitive business strategy of the garment industry with information technology, it requires a design of enterprise Architecture (EA). But in some companies, there are obstacles in designing an Enterprise Architecture that is suitable for the company, due to the lack of an architectural reference model to the needs of the company. So the need for designing architectural reference models that can help companies realize the alignment between information technology and business needs in the company. The design of this reference will design an open source application reference model in the form of Odoo that can be used by companies that will design Enterprise architecture. This design will use the TOGAF ADM framework which has 9 phases inside. But, in this study will be limited only focus on 4 phases namely, preliminary phase, Architecture vision, business architecture, Information System Architecture (Teerdiri from Data Architecture and application architecture) and technology Architecture. From this research, it will produce an enterprise Architecture reference models with reference models Odoo applications in the form of artifacts TOGAF. The design of this reference model is expected to be used as a reference in compiling architecture, especially the Finance in the garment industry, in terms of improving the functioning of business processes, data models, information systems and information technology used.

Keywords: *Garment Industry, Enterprise Architecture, Finance, TOGAF ADM framework, Open Source, Odoo.*