ABSTRACT

ANALYSIS OF ENTERPRISE ARCHITECTURE AND DESIGN BASED TOGAF ADM 9.1: CASE STUDY ON THE FUNCTION OF PRODUCTION, MATERIAL, AND QUALITY TECHNOLOGY PT. XYZ
PT. XYZ

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PT. XYZ is a state-owned enterprise engaged in manufacturing. PT. XYZ as a manufacturer of equipment that supports national development. In this case PT. XYZ is required to continue to improve competitiveness through improved performance and corporate value. In addition, the improvement process undertaken by companies in terms of governance and information technology is one part to achieve corporate goals.

In this study the focus is the production function, material function and function in PT.XYZ. Where at PT.XYZ experiencing some problems that become focus in repair company. In fulfilling customer needs PT. XYZ has not been able to optimally perform several factors that occur in production. To be able to continue to meet the needs of customers and industrial equipment and improve the competitiveness of PT. XYZ should be able to align its business strategy with technological developments. For that application of Enterprise Architecture can be the right solution for business strategy can be in harmony with technological developments. Enterprise Architecture itself in general is a picture or blueprint used to organize all the business processes of the company and the required information and technological supporters.

In the design of Enterprise Architecture using a framework or known as a work loophole. There are several frameworks that are well known to the stock companies, Zachman, FEAF and TOGAF ADM. While in this research at architectural company in PT. XYZ uses TOGAF ADM framework. In TOGAF ADM has a component that is a step in doing the design that is, business architecture, data architecture, application architecture and technology architecture. With these four components will be identified business strategy and existing information technology that will be designed into a target solution to help problems that occur in the company.

Manufacturing Execution System (MES) is one way. MES is a software used in manufacturing, to track and document the transformation of raw materials into finished goods. MES provides information that can assist manufacturing decision

making, how conditions are in place of production and can be optimized to increase production output.

Product Lifecycle Managament (PLM) is also one of the insights that will govern production planning. PLM is the overall product management process, from design and manufacturing to customer service and disposal of the product. PLM also integrates people, data, processes and business systems and provides product information for the company.

After the target. In this process. With the target solution is expected to help PT.XYZ in running business strategy with the support of appropriate technology.