

ABSTRACT

**ENTERPRISE ASSET MANAGEMENT SYSTEM MODEL DESIGN
MATERIAL MANAGEMENT (MM) MODULE BASED ON SAP S/4 HANA
FOR TRANSPORTATION BUSINESS SECTOR
(CASE STUDY IN PT XYZ)**

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As one of the companies engaged in construction in Indonesia, the development of property construction has become one of the main business processes at PT XYZ. This development can be carried out in various aspects of the company including the property development process. The process of goods transportation services at PT XYZ has several problems in carrying out the process. Problems experienced such as logistical areas that are lacking and inadequate. This makes the process of delivering goods disturbed. The solution to these problems is by building a logistics area that can solve the problem.

An asset management is needed in the process of building a logistics area that involves the acquisition and procurement of assets. Therefore, a system design model based on Enterprise Asset Management (EAM) based on Enterprise Resource Planning (ERP) software is needed. With the existence of a mutually integrated model system PT XYZ can exchange data when building an infrastructure project in realtime. The EAM software that will be widely used today is Systems, Application, and Products in data processing (SAP) software.

In SAP applications, the Material Management (MM) module is designed. the design will be done using the SAP Activate method. On the system, the planning is carried out with several phases such as Discover, Prepare, Explore, and Realize. It is expected that using the SAP Activate method can be a solution in designing an ERP system in process of procurement and acquisition asset using the SAP Module Material Management (MM) application at PT XYZ.

Keywords: Material Management, Enterprise Asset Management, Enterprise Resource Planning, SAP