

ABSTRACT

PT. XYZ is a company engaged in the field of construction service providers such as building construction, roads, bridges and provide heavy equipment rental of construction. The system used by PT. XYZ is a project system.

With many projects undertaken by PT. XYZ requires good machine management, this is done by the Equipment division, where one of the Equipment division's tasks is to make sure the equipment is always in good condition, and to maintain heavy equipment with standard operating procedures.

Lack of heavy equipment maintenance becomes the main factor of damage to heavy equipment and also all of the project activities is not yet integrated in one system. So it is necessary to design a system that integrates all activities and can perform data exchange in real time.

PT. XYZ is considered appropriate to implement SAP, because it has a large number of machines in each project. With company revenue in 2016 of Rp1.97 trillion, PT. XYZ is a mid-size enterprise and is appropriate to implement SAP because the company's earnings are high, comparable to the cost incurred for SAP implementation. Based on these problems, the design of SAP-based information systems is one solution to solve existing problems at PT. XYZ, which generates Plant Maintenance module design, and is expected to provide standard operational procedures for heavy equipment maintenance at PT. XYZ.

Keywords : ERP, SAP, PM (Plant Maintenance), Logistics.