

ABSTRACT

DESIGN OF MATERIAL SUPPLY CHAIN PROCESS USING SAP S/4HANA MATERIAL MANAGEMENT MODULE IN MINING INDUSTRY (CASE STUDY OF PT XYZ)

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PT XYZ is a company engaged in coal mining contractor services. PT XYZ already has a system (in-house development) related to inventory and a smooth flow of goods to each site, but the system is not integrated with other parts. Thus it has several problems that occur such as differences in information between other departments, hence that they take out many transactions manually, such as in terms of finance for journaling, material data that is not transparent, data processing is not real-time resulting in delays in shipping. This causes the process in the material supply chain to be hampered. The solution to this problem is to design an Enterprise Resource Planning (ERP) concept that can integrate all processes in monitoring the company's supply chain. SAP S/4HANA is an ERP software with one of the modules, namely Material Management which can improve the material supply chain process at PT XYZ. The SAP S/4HANA Material Management module design uses the Accelerated SAP (ASAP) methodology. The final result of this research is the design for the material supply chain process using SAP S/4HANA which has been adjusted and validated by the company's supply chain monitoring process.

Keywords: ERP, Supply Chain Management Process, SAP S/4HANA, Material Management, ASAP