

ABSTRACT

IMPLEMENTASI SAP BUSINESS WAREHOUSE AS DATA WAREHOUSING IN MINING INDUSTRY (PT XYZ)

Oleh:

RANGGA ARDHI KESUMA

NIM: 1202172379

Data is important and every company has a large data capacity. PT XYZ is a company in mining sector, to run business processes the company using applications developed by the company and storing data transaction in Excel then imported to the QlickView Database for data processing so that can be used to support data for reporting, but the data in the company has such a large volume so PT XYZ is still difficulties in data processing. In addition, the data in the database is still not real-time, so it has to be updated regularly every month by manual adjustment scripts. One of application that can process, store, and analyze data is SAP Business Warehouse. SAP Business Warehouse has a very large data storage capacity based on past and current data. SAP Business Warehouse has the advantages of updating data in real-time, automatically, data modeling and big data analytics. This ability can make the company move more effectively and optimally. SAP Business Warehouse can accommodate data from various datasources and departments and can provide a single source system for the company's business analysis purposes. The result of this research is to manage raw data so the data that can be used to provide information and can be used as reporting. Based on the results of the User Acceptance Testing (UAT), this test was carried out smoothly. Therefore, this study will discuss the process of designing the SAP Business Warehouse at PT XYZ using the Accelerated SAP (ASAP) methodology. ASAP methodology has several stages, namely, Project Preparation, Business Blueprint, Realization, Final Preparation, and Go-Live. This study only discusses the realization stage and focuses on using data from SAP S/4HANA.

Keywords: SAP Business Warehouse, Big Data Analytics, Data Warehouse, Accelerated SAP (ASAP)