

## **ABSTRACT**

Plant maintenance business process on PT. Len Industri (Persero) are using a manual system causing absence of maintenance activities documentation storage and no real time machine availability status notification. The right solution for the problem is implement ERP systems that applies a centralized database and integrated system, so data can be stored properly and maintenance process can be integrated with the relevant sections. One of ERP vendor that provides solution for plant maintenance is SAP.

This SAP ERP implementation using Accelerate SAP (ASAP) with the stages are problem identification, goal setting, current business process analysis, SAP ERP business process analysis, and configuration ASAP allows developers to interact frequently with relevant stakeholders and immediately make adjustments according to the needs of companies so as to create the required solution. The business process analysis performed to suit enterprise needs with SAP ERP system. After configuration phase, all maintenance process at PT. Len Industri (Persero) can be accommodated by SAP with adjustments needed by the company.

Keywords: ERP, SAP, Plant Maintenance, ASAP method