

ABSTRACT

PT. Len Industri is a State-Owned Enterprises (SOEs) is engaged in electronics engineering professionals as well as other engineering field. As more and varied projects received, then lead to more and a wider variety of products to be manufactured. Based on this, cause problems for sub-division Production Planning and Control. Problems often faced is the discrepancy between actual production and production planning that has been made, because of the lack of standards in manufacturing productivity targets, therefore, lead to errors in determining production targets. The flow of documents between sub-division related is performed manually.

Based on these problems, the implementation of the Enterprise Resource Planning (ERP) can be one solution. ERP is, an integrated system that can integrate business processes of different departments function. ERP implementations using SAP applications (Systems, Applications, Production in Data Processing) module production planning, because SAP-ERP are appropriate when used for companies that have high production complexity. SAP-ERP development using methods Accelerate SAP (ASAP) with several stages, including project preparation, business blueprint, realization and final preparation.

In this development will be adjusting the SAP-ERP business processes with the company through gap and fit analysis. In addition, the risk analysis was also conducted to determine the likelihood of risks and impacts in developing a SAP-ERP in the company. Furthermore, the configuration will be made on the application.

Because of the adjustment of business processes, it can meet the needs in the implementation process of planning and production control realtime, accurate and can facilitate decision-making in case of problems or incompatibility during production runs and reduce delays in production. It can also be achieved if there is a change in work culture and get full support of the manager in the development of SAP-ERP production planning module in PT. Len Industri.

Keywords: ERP, SAP-ERP, *Production Planning*, ASAP.