ABSTRACT

The activity based costing (ABC) process is a process that is widely used by large companies to accurately manage the cost allocation process for a product. With the development of technology, the activity based costing process has been integrated with the ERP system so that it can be connected to all processes as a whole and can reduce the contest to manage the flow of information systems within the company. One company that has integrated the activity based costing process with the ERP system is PT Telkom Indonesia using the SAP S/4HANA application. In the activity based costing process that runs in SAP S/4HANA requires a standard hierarchy that functions as the center of the business process for costing in the activity based costing process. From the results of this cost allocation will produce reports at each stage so as to produce three reports in each stage. In determining business processes, it is still done manually so that it slows down the business determination process in the activity-based costing process. The author will implement the search function in the activity based costing process by creating reports that can perform searches in standard hierarchies and summaries of all cost allocation reports. The method that will be used by the author is the software lifecycle development (SDLC) method where this method will help the author complete this research from the analysis process to deployment. To help the analysis and design process, the author add service engineering method (SEEM) in order to produce a design from a user perspective and a company perspective in order to produce an activity-based cost process that is efficient and in accordance with company goals by taking into account the ease with which the user will use it.

*Keywords— **activity-based costing, standard hierarchy, cost allocation, SAP S/4HANA, SDLC, SEEM.***