

## ***ABSTRACT***

*PT. XYZ is a company engaged in construction, property, infrastructure and equipment. PT. XYZ has business activities covering construction services such as buildings, bridges, and building. The business activities are carried out in the form of projects and for the expenses are recorded in accordance with the projects undertaken.*

*The problems in PT. XYZ is calculating the cost expense on a single project undertaken and the financial accounting is different between planned cost with actual cost. Then there is no system that records financial transactions, including employee salary calculation, calculation of material costs, calculate equipment maintenance costs, the cost of the project load and calculate profit per project. The transaction will be generated to financial statements that determine conformity with the financial allocation or not.*

*This problem occurs because there is no integration in all project activities in the system, PT. XYZ needs the necessary design and development that can integrate well all the activities. The integrated system development is the ERP system in the controlling module and several other supporting modules.*

*PT. XYZ is best suited for implementing SAP because in SAP implementation, the implementation fund difference is not too far from the initial cost plan. Then PT. XYZ also requires an integrated system that can be accessed in real time. After implementing SAP, PT. XYZ can calculate the cost spent on all transactions differentiated by account, calculate profit, perform cost allocation and present actual reports and plans. SAP system to be applied to PT. XYZ is SAP S / 4 HANA using SAP Activate method. Therefore the solution is to do the design of ERP controlling module (FI-CO) with SAP application on PT. XYZ.*

*Keywords : ERP, SAP, Controlling, Financial, SAP Activate, FI-CO.*