ABSTRACT

COST ANALYSIS APPLICATION OF STRUCTURE CONSTRUCTION IN PT RIA KENCANA BANDUNG

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Cost analysis of structure construction is the process of calculating the costs involved in a project of structure construction. Cost analysis calculates all the expenses of the project and estimated cost changes that will occur related to the change in time using linear regression methods.The process of cost analysis must be done quickly and accurately, including the process in PT Ria Kencana Bandung. Appropriate calculations can be obtained using an application as a tool that can calculate the overall aspects and their approximate cost of forecasting in a single calculation. This can speed up the calculation process and also reduces the risk that errors will occur in the calculation of the cost analysis.

As solution to this problem an application development established to create a tool to manage the process of cost analysis. Stages of development of these applications use the incremental method of waterfall, with a descriptive research methodology by collecting data, analizing data, making solutions and concluding the problems. Designing and building the application using procedural technique through analyzing procedures, database and requirements followed by implementing the result of the analysis.

According to the result of black box testing through alpha and beta testing, cost analysis application of structure construction in PT Ria Kencana can be a solution to speed up the calculation process and reduce the risk of errors that can occur in the calculation of the cost analysis in PT Ria Kencana.

Keywords: applications, cost analysis, cost analysis of structure construction, the application of linear regression