

ABSTRACT

This year, a boarding house has been built with an estimated completion of construction in early November 2018. In the process of implementing the construction of a boarding house, there are several problems, one of which is the problem of delays in the construction of boarding houses. The inaccuracy in the selection of materials used in the construction of boarding houses caused this project to take a year to complete. Planning a boarding house construction project requires knowledge that will be used to streamline project costs, material usage, and so on. This knowledge is widely used and is known as Value Engineering with the selection of alternatives carried out by the Zero-One method based on the criteria of expert judgment. With this knowledge can produce an increase in effectiveness in a project. Obtained the results of processing with Value Engineering the savings in processing time by 50% with an additional cost of 116,644,511 rupiahs or 34% of the initial cost.

Keyword : Value Engineering, Zero – One, Expert Judgement