

ABSTRACT

COLLABORATION OF STAKEHOLDER TO APPLY VALUE ENGINEERING IN THE WORLD OF CONSTRUCTION

By
Ardyanto
Student ID: 327171007
(Master Program of Civil Engineering)

The use of conventional approach in construction projects shows a number of drawbacks. Unsuitable design, bad management among the team often cause conflicts, that may further result in the delay and failure of the construction project. To avoid these potential problems, this research is conducted in order to identify an approach to reduce conflicts between stakeholders, to make project team understand the purpose of the project, and to make them cooperate well throughout the project. This research involved both literature and case study. This analysis used some cases that arise from projects that do and not use collaboration in project. The data was collected from literature study and some real cases in construction projects. The result of this study showed that having collaboration, integrated with value engineering, on the design phase, made it possible for some projects to finish faster than the schedule, better management system among the stakeholders and better relationships between them, as all information is distributed openly among each party involved.

Keywords: Construction, Collaboration, Value Engineering, Conflicts