ABSTRACTION

BTS tower development project representing the telecommunication operator effort to increase service area and customer so that will improve their revenue. In practice, frequently the BTS tower development project experiencing of expense extravagance and imprecise resource exploiting.

This matter result to lower the project value. To improve this situation, effort which can be done is reengineering the value of project. The core target of this effort which improve the value of BTS tower GSM 900,Cimahi is to allocated all cost to the right activities so that not generate extravagance.

In doing value improve, with Value Engineering method, is the method which can increase the project and BTS tower value. The simple equation which is used as a reference is V=F/C, where V=value, F=function, C=cost. Five step run have evaluated the alternative of resources and activity and yield the best alternative. In chosening, used a election method which called Analytical Hierarchy Process (AHP), every alternative weight will by fair as according to function and its benefit excellence each.

Election base which is most commonly used is based on life cycle cost, pursuant to cycling expense life. Life Cycle Cost (LCC) formulate the expense released by start from a period of purchasing, usage, till process decomposes.

After Known the best alternative from each problem activity is hence suggested to the project owner to consider result of the value engineering job plan. And do redesign to proposed activity.

Key Word : Project, BTS, Function, Value, Value Engineering, AHP, LCC.