ABSTRACT

OPTIMALIZATION OF PROJECT PERFORMING
BY USING NETWORK PLANNING PDM METHOD
(Study case: Developing of Integrated administrasion service centre in State University of Gorontalo)

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     Integrated administrasion service centre building develops with the aim is to increase the high quality education in State University of Gorontalo. Developing of the build is realization during 160 days with calculation in the amount Rp. 24.383.873.918. This projects will will optimize by the aspect of fine and cost to get the best result. Therefore it needs a method that will make the best of time and cost implementation without decrease the result of quality project it self.

     PDM (Precedence Diagram Method) can used to make time schedule of the project implementation with consideration that the method is more effective and efficient. The optimalization of time and cost is get from Crash Program with system of Network Planning PDM method with add the workers in each work that crashed. The acceleration was doing in work that have selected critical line that is reinforcement bor work, setting brick and ceiling work.

     The results showed the optimal duration of project implementation work 160 days to 146 days of work, the optimal total cost of the project from Rp. 24.383.873.918 to Rp. 24.377.958.918. Resulting in the optimization of time of 14 days at a cost of 0,024%.

Key Words: Optimalization, PDM Method, Crash Program.