

ABSTRACT

PT XYZ is a consulting company that operates in health and medicine, as of right now they have a project of building a hospital that faces a few challenges, which is the project of building ABC Hospital. This project is located in DIY Yogyakarta, because of this project still in the beginning phases PT XYZ have decided that how important is a detailed project scheduling. This research hopefully will help PT XYZ on this project in project scheduling with Critical Path Method (CPM). The result that we got is this project will have the duration of 321 work days with 20 activity and 14 of them are critical, these results will be displayed in Gantt Chart and Network Diagram along with along with forward pass and backward pass calculation. Based on these results hopefully that PT XYZ can implement the project scheduling with Critical Path Method (CPM) so they can avoid any delays in every critical activity and avoid any delays in the project overall.

Keywords — *Project, Project Management, Critical Path, Critical Path Method, Network Diagram, Gantt Chart*