

ABSTRACT

Network Planning planning with this PDM method will be used for the construction of Arengka Morning intersection Flyover, Pekanbaru, Riau Province. Network planning planning with PDM is important because the morning Arengka market flyover development project is a densely populated area of activity and access to the vehicle area into Pekanbaru city and out of Pekanbaru city. So that the work on the project must be done as quickly as possible so that there are not many congestion, economic or social effects that are caused.

Data collected from the field in the form of flyover RAB data, Time Schedule, and the results of interviews with field flyover experts. Interview data in the form of data on the number of days and the number of workers in the morning arengka flyover intersection and the costs incurred in the field. Data processing was carried out using the PDM method in Microsoft Project 2010 and for cost analysis using Ms.Excel 2007. Data processing was done by comparing the number of days of normal work duration with acceleration duration and the comparison of labor costs for both durations.

The results of the secondary data obtained in the field shows the implementation period of the 285 Day Calendar project plan starting from March 18, 2018 to December 25, 2018. While in network planning planning analysts using the PDM method, the implementation time to 260 Calendar Days starts from March 18 2018 to November 19, 2018. With the acceleration of time obtained, the cost of direct workers was originally Rp. 6,866,604,700, - (285 Calendar Days) rose to Rp. 8,413,873,834, - (260 Calendar Days). With a percentage increase in costs of 23% but accelerated 25 calendar days. The acceleration of time is considered effective to avoid companies from delays in the completion of work, but in terms of cost it is considered less economical given the additional cost of workers to increase by Rp. 1,547,269,134, -.

Keyword : *Flyover, Network Planning, Acceleration*