

Rescheduling Construction Projects Using *Microsoft*

Project Software

(Case Study of the Simpang Pramuka Road Improvement Project - Siak Regency Boundary)

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ABSTRACT

The construction of the Simpang Pramuka road project is carried out in several stages of work, one of which is making a work schedule. This work schedule is created to find out which part to do first or after the previous work, scheduling is intended to make it easier for each activity to be done in order and on time. The scheduling method used in the Simpang Pramuka Road Improvement Project - The Current Siak Regency Boundary is to use barchart scheduling but the block method is considered to have weaknesses in projects with complex work so that appropriate scheduling is required for complex work to get results according to plan. The purpose of this research is to get an appropriate schedule and finish on time by rescheduling using Microsoft Project software with the Precedence Diagram Method (PDM). First, the initial schedule evaluation is carried out and and continued with the preparation of a new schedule using Microsoft Project software and utilizing the PDM method calculation.

The results of this study obtained the duration of rescheduling for 8,080 hours or 203 working days from a planned schedule of 10,144 hours or 210 working days.

Keywords : Scheduling, Rescheduling, PDM, Microsoft Project