PERFORMANCE ANALYSIS OF COST AND TIME TO IRON PROCESSING PLACE PT. THE STEEL MASTER MANUFACTORY

Abstract
The construction of Iron processing has a budget based on the contract is Rp. 9,796,758,000, 00 for the project implementation period is 303 days starting on October 1st 2011 and contraction should be complete on July 31st 2012. Because the construction should be completed before the equipment/machine processing of imported iron and so it can be used as an early warning if there are inefficiencies (lack of efficiency) work that can slow down and swelling of the cost. In this final project will use methods of earned value (EV) as a technique for measuring project progress is achieving a goal. So the right actions against the delay of the time and cost savings can be made in completing the project.

Basic elements of earned value (PV, EV, AC) which will be used to find the value of analysis of variance and analysis of performance Performasi Index (CV, SV, CPI, and SPI). Three model estimated by EAC (constant deviation index (optimistic), the cost performance index (or more realistically as possible), and the index future costs due to SCI (pressimistic)), and estimated project completion time (TE).

The project had progress slowly in the first week, the rapid progress in 2nd week to the fourth week, after ward experienced slow progress again in fifth and week eight and at week nine until the end of the observation, a rapid progress at week 12th
While the cost of project in the first to seven week project had over budget and at week eight until the end of observation (12 week) the project suffered under budget. This observation indicates in end of the project are in good condition with SPI and CPI index value above the 1 (one) or the SPI and CPI $> 1$. Whereas at the end of the project cost estimates based on assumptions, according to previous calculations VAC deviations obtained at week 12, the lowest is Rp620,698,752.43 and to the highest deviation value is Rp 3,840,879,958.10.

Key words: PT. The Master Steel Manufactory, earned value, analysis of variance, analysis performasi index, time estimation.