

## ABSTRACT

*The success of project it can't be separated from control mechanism to the plan which had been arranged before. The control mechanism is used to know performance index from project plan implementation. By Earned Value Management System (EVMS), performance measurement not only compares a plan with realization but also as far as achieving that plan. EVMS is used as Risk Management tool but is not designed to manage the risks. For that is needed integrating between Earned Value Management with Risk Management. It meant to the results of performance measurement that is done in Earned Value Management at every certain time period are used as basic project control based on steps arrangement controlling to the risk at Risk Management. Both of this method will be used to measure risk controlling and performance at 2nd sessions Mall Ciputra parking building construction project because the contractor just uses Earned Value Concept to control the project. Because of that, this final assignment try to help project manager to handle the risks that can appear when project doing by implementing Risk Management, to measure progress report project performance by implementing Earned Value Management System method, and to certain work effectivity of project by integrating the results from performance measurement using Earned Value Management System with Risk Management into a model.*

*At this research, risks are identified by interview method to project manager afterwards that risks are quantified using scenario analyze which documented into kuisioner that spread as purposive sampling to people who responsibility on project fluency. Result from this kuisioner tabulation resulting risk point that will certain risk ranking. As a kind of risks controlling are made Risk Management Plan Spread Sheet. While the performance is measured by calculating Planned Value (PV) and Earned Value (EV). From the result of calculation every week, it can be measured variance and performance index every week too. The results of variance analyze that happen been basic arranging the steps of controlling risk management until Risk Management Plan Spread Sheet is renewed every week.*

*The whole risks are managed by Risk Management. To handle its, made a Risk Management Plan Spread Sheet. In another side, EVMS application results information that generally, project activity until 6th week work very fast. From 1st week until 3rd week, project worked early than schedule. While at 4th week and 5th week project worked lately than schedule, but at 6th week project back worked early than schedule. From this result, response strategy that been arranged at Risk Management Plan Spread Sheet well worked until project activity worked early than schedule. except at 4th and 5th week become delay because rain and fast wind that happen along these week.*

*Keyword : Risk Management, Earned Value Management, Risk Management Plan Spread Sheet*