PROJECT CONTROL SYSTEM INFORMATION
DESIGN WITH EARNED VALUE MANAGEMENT (EVM) METHOD

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Abstract,
Development must have a clear purpose and direction so that results can be achieved more optimal planned. Monitoring, evaluation, and control are needed especially those relating with cost issues and time of project implementation so we know the performance of the project then we predict the cost and the time for ended the project if the project has been be lated, it can using Earned Value Management (EVM) method in controlling time and cost project. But the reality, in Indonesia the management of project construction carried out the contractor has not been fully implemented EVM. Notably the use of information systems in the management of project construction has not been optimum including in applying EVM method in project control.

An implementation of the project construction will certainly be helped by the information system. With this system, the delays work directly known so the control process become easier. Not only in the process control but also in document storage and data projects due to the use of information systems, document and data storage project become easier and simple.

Because all of the case that have been discuss, then we design Project management information system by the EVM method using Microsoft Visual Studio Ultimate 2010. Through of
the information systems design, the output of the program EVM will be validated with the results of manual calculation.

This information system design is user-friendly so that it will facilitate the project executant especially in analyzing the performance of contractors who are using the EVM and it expects to obtain the exact results and reduce the risk of inaccuracy in the calculation.

Keywords : Earned Value Management, Performance Analysis, Information Systems, Microsoft Visual Studio Ultimate 2010