ABSTRACT

Project Management was an important thing to develop a project. It can determine whether the project is working well so the project can produce a good product.

The succeed of project performance is one of the measurement factor of company's succeed. Every project has to pass management cycle called POAC (Planning Organizing Actuating and Controlling). Each phase is important for the project succeed. In practice, to keep the project on target and close to plan, the project has to be controlled. So whenever there is a problem on the project, it can be identified and take care of as soon as possible.

In Risti Telkom Bandung, "Pengembangan Bisnis (Bangnis)" team takes control to a project that being run. In measuring work performance of the project, the system could not have the overall result and there is no measurement of the human resource need to complete the project. Therefore a computerized measurement is needed to accommodate the problem and to support the project measurement. The result of the measurement can be used as a consideration to make a decision for the project manager.

In this final project, DSS (Decision Support System) for Project Management application is built. This system is able to measure the project performance using. This system also is able to estimate the needed worker and effect of the budget and schedule. These estimates help the decision maker to make a decision. This final project uses what-if analysis and Earned Value method.

Keywords : Project Management, SPPK, what-if analysis, Earned Value, POAC.