

ABSTRACT

Development in developing countries, such as the Republic of Indonesia contains two dimensions, goals and processes. The goal of development is definitely better living conditions as desired by the community. While the process to achieve that goal is stated in various development strategies. The success of development cannot be separated from the active role of sector sources, especially the development of the road and bridge transportation infrastructure sector.

Based on data from the Ministry of PUPR in the 2018 Statistical Information Book regarding the allocation of APBN funds to the Ministry of PUPR, it shows that the largest APBN allocation is allocated to the Directorate General of Highways at 40.04%. Then the percentage of APBN allocation for the ten other organizational units in sequence, namely the Directorate General of Natural Resources is 32.91%; Directorate General of Human Settlements by 15.97%; Directorate General of Housing Provision by 8.74%; Balitbang by 0.54%; Secretariat General by 0.52%; BPSDM by 0.43%; Directorate General of Construction Development by 0.30%; BPIW of 0.24%; Directorate General of Housing Financing 0.23%; and the Inspectorate General 0.09%. The data shows that the highest allocation of funds is in the form of village road and bridge infrastructure development, this indicates that the government is very serious in carrying out Village Infrastructure development, so project management is needed.

In the implementation process, there are problems with projects, especially in village infrastructure development projects, things that are commonly experienced by developers include financial problems such as budgeting, estimates, resources, costs that are not in accordance with the plan, or acts of embezzlement of funds by unscrupulous persons. The most basic factor is the lack of community involvement in the planning and monitoring process of village funds”, this problem can occur due to several important factors such as Communication and Transparency.

In this Final Project, the author proposes the development of a Project Cost Management Information System in order to be able to estimate, budget and monitor village infrastructure development projects so that the funds budgeted by the government can be channeled optimally and minimize errors in village infrastructure development. The system was built using the RUP (Rational Unified Process) method with a web-based system with cloud technology so that all parties involved in the project can control all processes and absorption of funds that occur so that they are right on target.

Keywords : ***Project Cost Management, Rational Unified Process, Cloud, Road and Bridge Infrastructure, Cost Estimating, Cost Budgeting, Cost Controlling***