

ABSTRACT

Infrastructure plays an important role as one of the economic growth and development. The existence of infrastructure is very much needed, such as road and bridge infrastructure.

The construction of roads and bridges is also part of supporting village infrastructure which is expected to have a positive impact on the welfare of rural communities through infrastructure improvements, so it can make economic growth in the village.

The implementation of a project development must also be carried out with controlling so that the project runs according to what has been planned and budgeted so as to minimize the misuse of resources.

Therefore, the authors propose the development of a cloud-based application Project Cost Management information system that can control the progress of village infrastructure development projects so that the funds that have been budgeted by the government can be used optimally and effectively.

Controlling module in this application has four main features, the first is import WBS which is used to import WBS data. Second, issue management which is used to manage existing problem data. Third, weather info which is used to manage weather information, and fourth, monthly meeting which is used to manage meeting data.

The application is built using the PHP programming language with Laravel and Lumen frameworks, and uses the MySQL database system. This application architecture will use three tiers which are expected to produce good application performance.

Keywords: Project Management, Web Application, Village, Cloud Computing, Three tier