ABSTRACT

PT. Megatama Karya Properti is a property and contractor company that provides various services in the construction of facilities and infrastructure. The problem that occurs in the implementation of construction project monitoring is that monitoring of project progress is still carried out manually and there are difficulties in processing bill payment data. Besides that, when storing data, it is still in the form of documents stored on archive shelves, resulting in the data search process taking quite a long time. Therefore, an analysis and implementation of a construction project monitoring information system was carried out which aims to assist in managing project data and testing the system being built. The methods used to implement the system are conducting system analysis, needs analysis, system design using the UML model, interface design, database design and implementation, system implementation using the PHP programming language, and system testing using the black-box testing method. From the results of system testing that has been carried out, it can be concluded that the system can manage client data, contractor data, project data, and payment data, and can also print billing notes, project progress monitoring reports, and project payment monitoring reports. Of the 88 test scenarios that have been carried out, there are 2 parts of the system whose test results are invalid. Thus, the system that has been built is 97% valid.

Keywords: *Information systems, monitoring, construction projects.*

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