

ABSTRACT

Vocational Secondary School of Telkom is a formal school located at Jalan Radio Palasari Road, Citeureup, Dayeuhkolot, Bandung, West Java 40257. Vocational secondary school was established under the auspices of the Education Foundation, Telkom Indonesia and growing very rapidly became one of the favorite school in Bandung.

Monitoring of web-based teaching and learning is an integrated system that processes data as supervision to produce an activity information needed by the users.

Yet the existence of the Monitoring process of web-based teaching and learning for teachers in managing or accessing information related to the learning activities and reporting activities, making the delivery of information to be not real time and complicated because it is still processed through the Microsoft Word and Microsoft Excel. Therefore it needs to be made to the Monitoring process of web-based teaching and learning for the supervision and management of schedules, management learning activities, management of presensi teachers and students, teaching, reporting event management activities of learning and performance evaluation of teachers.

The methods used for making application is a method of waterfall. Stages of workmanship waterfall that is listening to customers, build or repair the mockup, then the customer see the interface. This web application is created using the CodeIgniter framework, programming languages PHP, MySQL, Apache Web Server and tools editors use Notepad ++.

Thus, all activities related to the monitoring and reporting is maintained by curriculum in SMK Telkom bandung, could be helped by the existence of this application.

Keywords: SMK Telkom, Monitoring of web-based teaching and learning, Codeigniter, waterfall, Website