

ABSTRACT

Building a Code Igniter-Based Learning Management System Using Prototype Methods (Case Study: SMK N 1 Banyumas)

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In this era of increasingly developed technology, there will be many technologies that are created to facilitate human work, including making it easier for students to learn. The problem currently being faced by students is the difficulty in learning activities independently because it depends on the material that is only given during the offline learning process. So we need a place that is used for online learning. The method used in building learning containers is using the prototype method to design learning containers or can be called a learning management system (LMS). The prototype method has five stages, namely Communication, Quick Plan, Quick Modeling, Design Construction of prototype, Deployment Delivery & Feedback. After the LMS website has been built, it will be tested on the website. Researchers use the blackbox testing method in testing every function that exists in every user access. The results of the blackbox testing test that have been obtained are then calculated using the accuracy method, the results of the accuracy calculation show that the website that has been created can run well with the average score for each user access being 95% successful for admins, 97% successful for teachers, and students 98% successful. The accuracy results show that the LMS website that has been created can run quite well with a high success rate.

Keywords : blackbox testing, lms, learning, prototype.