ABSTRACT

DESIGN OF A WEBSITE-BASED BANYUMAS METROLOGY FIELD REGISTRATION INFORMATION SYSTEM USING EXTREME PROGRAMMING METHODS

By

Hafiz Irza Aryadana

19102267

The low level of public knowledge regarding measurements in everyday life has resulted in traders taking action in conditions that can be detrimental to consumers or clients. The tera/retera service aims to raise business awareness regarding the importance of honest and responsible attitudes in entrepreneurship. Therefore, the government established the Department of Industry and Trade so that all goods and services transaction activities are regulated by statutory regulations, and if violations are imposed, sanctions will be imposed according to the violation committed. The researcher channeled this problem for further study regarding the incidents committed by the aggrieved parties. The researcher conducted observations and interviews in the Banyumas metrology sector which focused on service information regarding metrology, namely the science of measuring, weighing, weighing and measuring widely. However, the data obtained from interviews in the Banyumas Metrology Sector is still very inefficient, information regarding metrology is not yet known to the public and there are no services that use technological media. Based on these problems, the researcher will design a website-based information system for registering/reprinting the Banyumas metrology field using the extreme programming method. This information system was built using the extreme programming method with the PHP programming language and the Laravel framework. Testing carried out on the system uses the black box testing method with validation results obtained at 100% which indicates that the system has passed all testing scenarios.

Keyword : Information System, Website, Extreme Programing, Black-Box