ABSTRACT

DEVELOPMENT OF LAND MONITORING MODULE ON THE WEB-BASED AGRIKITA APPLICATION PLATFORM USING EXTREME PROGRAMMING METHOD

by

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Agriculture is one of the sectors that has an important role in the economy of Indonesia people. In the world of agriculture there is a role that can support and assist farmers in providing important information related to problems that are often experienced by farmers, namely extension. However, there are still some shortcomings in farmers' programs in Indonesia, especially in Mamuju such as providing information on land conditions. By looking at these conditions, this research was conducted to assist extensionists in reporting on land conditions and land problems. The research will focus on the technology environment by developing a web-based platform using the Extreme Programming method. The science that supports in the development of this monitoring module is the concept of land monitoring to know the process of monitoring land in a sustainable way until it produces agricultural products. All existing sciences are used from the problem analysis stage to the application development process. After the application is completed, testing is done using black box testing with Laravel Dusk tools to ensure the functionality that the application is running properly.

Keywords: Extension, Monitoring, Extreme Programming, platform, Laravel Dusk, Agriculture