

ABSTRACT

In the era of information technology that is growing rapidly. All sectors seem to be competing in using information technology to get benefits. Not with the agricultural sector. Therefore, we took the initiative to provide a tool that helps extension workers in carrying out their activities as agricultural extension workers. One of them is the extension workers at the “Balai Penyuluh Pertanian Mamuju”. The extension workers experience problems in carrying out extension activities such as recording the activities carried out by farmers who are under them. The recording is in the form of recording the harvest of farmers in each harvest period. The history of fertilization is also included in the activities of the extension worker as well as the history of handling pests and diseases. With this condition, we want to help the extension workers to make their activities more efficient and easier by using a web-based application called Agrikita to record such as harvests, farmers' income, fertilization history and history of pest and disease management. The method used in the development of this application is the Extreme Programming method. Extreme Programming method can be done because changes can be made if there are changes in needs quickly. The results of testing the Agrikita application using black-box testing. The test results show that this application can run in accordance with the purpose of this application. This application can be further developed in the future on its features with additional additional information related to the activities of agricultural extension workers.

Keywords — recording, application, Agrikita, black-box testing.