

ABSTRACT

DEVELOPMENT OF FUND ASSISTANCE MONITORING MODULE ON WEB-BASED AGRICULTURAL PLATFORM USING EXTREME PROGRAMMING METHOD

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Agriculture in Indonesia is agriculture which is dominated by traditional farmers. These farmers sometimes still get funding and also guidance (counseling) from the government. Providing financial assistance to farmer groups is one of the efforts to increase innovation in agriculture. However, in practice, there are still individuals who misuse aid funds or commit acts of corruption. Indonesian Corruption Watch (ICW) recorded 169 corruption cases handled by law enforcement during the first semester of 2020. The amount of state loss is based on calculations conducted by ICW that the state suffered a loss of Rp. 18.1 trillion. There are 47 cases of embezzlement of funds which are the most common mode of corruption cases in 2020 and budget abuse is in the sixth position as the most corruption cases. Chairman of the Standing Committee for Food Security at KADIN Franciscus Welirang said the food sector is one sector that is prone to corruption. One of the corruption cases that occurred in the agricultural sector, especially in the Agricultural Extension Center, was the corruption of the GAPOKTAN (Farmers Group Association) funds amounting to Rp. 138,000,000.00 as well as criminal acts of corruption recorded in the Directory of Decisions of the Supreme Court of the Republic of Indonesia dated January 21, 2021, namely budget corruption for expansion/printing of rice fields which is detrimental to state finances amounting to Rp. 512,754,750.00.

To avoid opportunities for corruption cases from POKTAN funds (farmer groups) at the Mamuju Agricultural Extension Center, this research was conducted to help

extension workers monitor the activities of using POKTAN funds by developing a web-based Agrikita Platform fund monitoring feature. The science underlying the development of this module is the concept of project cost management which includes the processes required to ensure that the project team completes the project within the approved budget. Ensure that the project is well defined, has accurate time and cost estimates and has a realistic budget (Schwalbe, 2015). In addition, the concept of software development is also used to find out a good development method in developing this platform. To ensure that the Agrikita platform can be useful for extension workers, especially in the monitoring module for funding assistance, a test using the usability scale (SUS) system is carried out to measure the perception of the usability of the platform directly starting from the main opening. funding assistance monitoring module page.

Keywords: Funding assistance, project cost management, extension workers