ABSTRACT

Micro, Small, and Medium Enterprises (MSMEs) play a crucial role in Indonesia's economic growth. However, funding issues often pose obstacles for MSME players in expanding their businesses. On the other hand, the rapid development of financial technology (fintech) has opened new opportunities to provide alternative funding for MSMEs through equity crowdfunding platforms. Despite the significant advancements in fintech, the quantity of Shariah-based equity crowdfunding platforms remains limited, despite the majority of Indonesia's population being Muslim.

This research implements a Shariah-based Equity Crowdfunding (ECF) backend application using the Extreme Programming (XP) development method. The application utilizes PHP language with the Laravel framework and MySQL database with an SQL-Based approach. Authentication is achieved using JWT tokens, and testing is conducted through black-box testing and user acceptance tests.

The development of the Shariah-based ECF backend application successfully created key features such as Authentication & Authorization, Profile Management, Financial Reporting, and Investment. During testing, these features met functional and integrity standards effectively. User acceptance tests indicated a high level of satisfaction among users, with investor satisfaction reaching 96.16%, MSME players' satisfaction reaching 93.78%, and admin satisfaction reaching 91.67%.

The development of the Shariah-based ECF backend application using the Extreme Programming (XP) method creates an alternative funding platform that adheres to Islamic Shariah principles. This application can support economic growth by providing support to Islamic MSMEs.

Keywords: Fintech, Shariah-based Equity Crowdfunding, MSMEs, Extreme Programming, Black-box Testing, User Acceptance Test.