

ABSTRACT

Information systems have an important role in the development of technology and information in Indonesia. Various aspects of life both in society and in organizations have utilized and used information systems. The process of digitizing and utilizing this information system will often form an integrated relationship between several digital sectors into an ecosystem or what is commonly called a digital ecosystem. Digital ecosystems provide benefits for users by exchanging data between systems that are in the digital ecosystem because only by using one user account can access several systems or services that are in the ecosystem. With the development of the user management module in the Ihya digital ecosystem, it is hoped that it can be a solution and can accommodate the increasing number of users of the Ihya digital ecosystem. To realize web user management that can meet the needs of the digital ecosystem to be built, iterative incremental development methods and black-box testing, user acceptance tests, and load tests are used. Based on the results of the tests that have been carried out, the Ihya digital ecosystem user management module has met user needs with a user acceptance test value of 82.5%. Further development can be done in this research, including the use of APIs in the data exchange process and the addition of a two-factor authentication feature to improve data security.

Keywords: *user management, digital ecosystem, iterative incremental. black-box, user acceptance, load, test, Ihya*