RANCANG BANGUN APLIKASI MANAJEMEN KONTEN EDUKASI DAN INFORMASI CRYPTOCURRENCY BERBASIS WEB (STUDI KASUS: FUND SMALL CAPITAL)

ABSTRAK

Penelitian ini membahas proses perancangan dan pengembangan aplikasi manajemen konten edukasi dan informasi cryptocurrency berbasis web pada komunitas Fund Small Capital. Aplikasi ini dibangun untuk menyediakan sarana pembelajaran yang terorganisir, interaktif, dan mudah diakses oleh pengguna yang ingin mempelajari dasar maupun perkembangan terbaru terkait cryptocurrency. Sistem ini menyediakan berbagai fitur seperti pengelolaan modul pembelajaran, materi, quiz, diskusi, serta konten informatif berupa artikel, riset, dan berita. Pada sisi educator, sistem dilengkapi dengan fungsi manajemen konten dan pemantauan aktivitas pembelajaran pengguna. Pada sisi admin, sistem dilengkapi fungsi manajemen akun, monitoring konten, serta monitoring pengguna. Metode pengujian yang digunakan adalah *Blackbox* Testing, yang berfokus pada pemeriksaan fungsionalitas sistem berdasarkan kesesuaian antara input dan output. Hasil pengujian menunjukkan bahwa seluruh fitur berjalan dengan baik dan telah memenuhi kebutuhan fungsional sesuai perancangan. Dengan demikian, aplikasi ini mampu mendukung proses penyediaan informasi dan edukasi cryptocurrency secara maksimal melalui platform berbasis web.

Kata Kunci : *Cryptocurrency*, *Web Application*, *Learning Management*, *Blackbox* Testing

DESIGN AND DEVELOPMENT OF A WEB-BASED EDUCATIONAL CONTENT AND CRYPTOCURRENCY INFORMATION MANAGEMENT APPLICATION (CASE STUDY: FUND SMALL CAPITAL)

ABSTRACT

This study discusses the design and development process of a web-based educational and informational content management application for the Fund Small Capital community. The application is built to provide an organized, interactive, and easily accessible learning platform for users who wish to learn both fundamental concepts and the latest developments related to cryptocurrency. The system offers various features, including learning module management, lessons, quizzes, discussions, as well as informational content in the form of articles, research, and news. On the educator side, the system is equipped with content management and user learning activities monitoring functions. Meanwhile, the admin side includes account management, content monitoring, and user monitoring features. The testing method used in this study is Blackbox Testing, which focuses on assessing system functionality based on the conformity between input and output. The test results show that all features operate properly and meet the functional requirements as designed. Therefore, this application is capable of effectively supporting the provision of cryptocurrency information and education through a web-based platform.

Keywords*: Cryptocurrency, Web Application, Learning Management, Blackbox Testing*