ABSTRACT

The development of cryptocurrency in Indonesia faces challenges due to low literacy and a lack of reliable educational sources, potentially leading to misinformation and financial losses, especially for beginners. This research aims to design and build an interactive and accessible website directory for cryptocurrency education and information communities, named Crypto Directory Indonesia. The website was developed using standard web technologies (HTML, CSS, JavaScript) and implements a Rule-Based Filtering Algorithm to filter educational content based on the user's knowledge level (Beginner, Intermediate, or Advanced). The software development method used is the Waterfall model.

The resulting website has three main features: (1) A real-time news page integrated with the Finnhub API, (2) A directory of local cryptocurrency communities in Indonesia, and (3) An education module with interactive simulations, such as Risk Profile, Bitcoin Dollar Cost Averaging (DCA), Portfolio Management, and Trading Calculator. Functional testing and the Rule-Based Filtering algorithm showed a 100% accuracy in classifying user levels and fast page load times, averaging 1.3-1.5 seconds.

In conclusion, this research successfully built the Crypto Directory Indonesia website as an effective platform for improving digital financial literacy. By providing access to real-time information, trusted communities, and personalized educational materials, this website is expected to be a solution in reducing misinformation and supporting the cryptocurrency learning process for Indonesian society, particularly for beginners.

Kata Kunci: *Cryptocurrency, Website Direktori, Edukasi, Rule-Based Filtering, Simulasi Interaktif, Literasi Keuangan Digital.*