

## **ABSTRACT**

*Phishing is one of the most common and dangerous cyber threats, exploiting psychological manipulation to steal sensitive information through fake emails. Many internet users still lack practical awareness to identify such attacks, risking financial and reputational losses. To address this, an interactive web-based training application called PhishProof was developed to enhance phishing awareness through realistic simulations. Development started from literature studies, user needs analysis via questionnaires, to system design using Laravel and MySQL with key features such as phishing email simulations, interactive feedback, and an admin dashboard. Testing included code quality analysis that reduced static errors from 136 to 0, functional testing, and usability evaluation with a Likert scale involving 21 respondents. Results indicate the application enables users to practice recognizing phishing patterns, receive immediate feedback, and monitor their understanding progress. An acceptance rate of 86.41% suggests most users found the application effective in raising phishing awareness, with opportunities for further enhancement through gamification, additional educational content, and mobile support.*

*Keywords: Phishing, Cybersecurity Awareness, Simulation, Interactive Training, Laravel.*