

ABSTRACT

Personal data protection has become a critical issue in the digital era, especially after the enactment of the Personal Data Protection Law (PDP Law) in Indonesia. Many companies face difficulties in evaluating compliance and detecting data management weaknesses manually. This Final Project designs a web-based Data Secured application to help companies meet the regulations of the PDP Law through key features such as Compliance Assessment, Identification of Deficiencies, Suggestions for Improvement, and Incident Monitoring. The application development uses the User-Centered Design (UCD) approach and Agile Scrum methodology to ensure flexibility and responsiveness to user needs. Tools used include Figma for interface design, Chrome for competitor analysis, and Miro for system identification. Tests were conducted using Heuristic Evaluation and Cognitive Walkthrough methods, showing that 81% of the application interface met the usability and effectiveness standards. As a result, the app successfully simplifies the compliance assessment process, improves the accuracy of weakness detection, and provides relevant improvement recommendations. Suggestions for future development include the addition of real-time notification features and more complete user documentation.

Keywords: Personal Data Protection, PDP Law, Data Security, User-Centered Design, Heuristic Evaluation, Cognitive Walkthrough