

ABSTRACT

The low proficiency in English communication and grammar among the Indonesian population presents a significant challenge in English language learning. To address this issue, the Elarise application was developed as an interactive learning platform that integrates Artificial Intelligence (AI) technology to provide instant feedback on grammar and pronunciation corrections. The front-end development of this application was carried out using an adapted ICONIX Process methodology combined with a Design Thinking approach to ensure that the resulting solution truly meets the users' needs. React and JavaScript technologies were employed to create a dynamic and responsive interface, while Generative AI was implemented to enhance the accuracy of automatic feedback. Evaluation results from black-box testing and user trials indicate that the Elarise application successfully delivers an interactive and effective learning experience, significantly improving the English speaking and grammar skills of Indonesian users.

Keywords: Elarise, Front-end, Generative AI, English language learning, ICONIX Process, Design Thinking.