ABSTRAK

English language proficiency is a crucial skill for students facing the globalization era. Telkom University Language Center (LaC) encounters several challenges in implementing TOEFL ITP Learning, including limited student study time, inefficient material distribution, and difficulties in monitoring Learning progress. This research aims to develop a TOEFL ITP Learning module front-end that addresses these issues using the Design Thinking method and React JS technology. The Design Thinking method was implemented through five stages: Empathize, Define, Ideate, Prototype, and Test. The Empathize stage involved in-depth interviews with 5 participants and 5 instructors to understand user needs. The Define stage produced user personas, customer journey maps, and problem statements. The Ideate stage generated 8 feature categories through brainstorming and impact effort matrix. The Prototype stage developed Designs from low fidelity to high fidelity with consistent UI style guides. The Test stage conducted validation through usability Testing using Maze tools and System Usability Scale (SUS). The research results show that the application was successfully developed with features including dashboard, Learning materials, practice exercises, TOEFL simulation, consultation, notifications, and Learning reports. Usability Testing demonstrated high success rates with an 83.3% direct success rate for participants and 100% for instructors. The average SUS score reached 75 for participants (Grade C, Good, Acceptable) and 82 for instructors (Grade B, Good, Acceptable). The developed System proved to enhance Learning flexibility, material distribution efficiency, and ease of monitoring student Learning progress in TOEFL ITP preparation.

***Keywords**: TOEFL ITP, Design Thinking, React JS, User Interface, User Experience, Learning Management System*