ABSTRACT

Outcome-Based Education (OBE) is an educational approach that emphasizes the achievement of specific, measurable learning outcomes. In this context, monitoring Course Learning Outcomes (CLO) and Program Learning Outcomes (PLO) is crucial to support program accreditation and improve the quality of education. This research aims to design a user-friendly frontend website based on OBE for program heads (Kaprodi) at the Faculty of Industrial Engineering. Using the prototyping method, the system integrates features such as importing CLO and PLO master data, visualizing achievement graphs, and generating learning achievement reports. The interface is developed using React.js to ensure ease of access, speed, and efficiency. System evaluation was conducted using the System Usability Scale (SUS), with results indicating a high level of usability. This system is expected to enhance the efficiency and accuracy of CLO and PLO achievement monitoring while providing an effective solution for Kaprodi to support data-driven decision-making.