ABSTRACT

Logistics unit is an essential part of the Telkom University Surabaya. Its tasks and responsibilities include managing and maintaining assets of Telkom University Surabaya, which consist of room facilities and goods to support teaching and learning activities. As student activities increase, the number of item borrowings from the logistics unit also rises. The item borrowing process often encounters various challenges, especially in manual recording and submission processes, which subsequently affect students' compliance in returning borrowed items. Therefore, to streamline the administration of logistic asset borrowings, it is crucial to design an information system for item and room borrowings. This system aims to address the issues surrounding the logistics unit's borrowing process at Telkom University Surabaya. The website-based information system developed in this research also makes it easier for students to check the availability of items for borrowing. The study employs the Systems Development Life Cycle (SDLC) method, specifically the prototype approach, to construct the information system for item and room borrowings in the logistics unit of Telkom University Surabaya. The use of the prototype method is chosen because user requirements tend to be changeable. With the prototype method, there is effective communication between system developers and users, facilitating a common understanding and initial perception of the system to be developed. In developing the website-based information system for item and room borrowings, the PHP programming language with the Laravel framework is utilized. The system's website is tested using black-box testing, which involves creating functional testing points to assess whether the system aligns with its requirements

Keywords: Information System, Asset Borrowing, PHP, Prototype Method