

ABSTRACT

The Enterprise System Engineering Laboratory (Ensyse) has encountered difficulties in managing practical work schedules due to the continued use of Google Spreadsheets, which are still managed manually. This has led to errors in entering practical work schedules, difficulties in creating practical work reports, and a lack of information regarding honoraria for laboratory assistants. This can cause difficulties for the Practical Work Division in managing practical work schedules at the Enterprise System Engineering Laboratory. This final project aims to design a Management Information System using the Rapid Application Development (RAD) method to take a phased approach to system development, emphasizing each stage such as preliminary, requirement planning, user design, construction, and cut over. This process involves collecting data to align with user needs, with the goal of developing a Management Information System for the Industrial Engineering Laboratory. The result of this design is a web-based Management Information System with the main feature of adding empty schedule data for Laboratory Assistants to assist the Practical Division in creating practical shift schedules. This system also received a good score from the User Acceptance Test (UAT) results, with an average percentage score of 84%. With the creation of the Management Information System, can assist in managing practical work schedules to avoid errors and miscommunication between the Practical Work Division and Laboratory Assistants regarding practical work schedules.

Key Words: *Management Information System, Rapid Application Development, Enterprise Support System, Practicum Duty Schedule*