

ABSTRACT

ESS (Enterprise Support System) is one of the specializations in the Enterprise and Industrial System expertise group. This specialization focuses on providing support for a system to make the best decisions. During the course of this specialization, information about ESS is shared through both oral and written communication, causing difficulties for ESS members, including mentors, professors, and students, to obtain the required information or data quickly and lack of integration between them. Additionally, the dissemination of information has not been done in a structured manner, resulting in a time-consuming process when searching for previously distributed information.

The objective of this final project is to design a management information system that can store and manage data and information related to the ESS specialization to facilitate more effective and efficient management of the ESS specialization. The chosen method for the design of this management information system is Rapid Application Development (RAD). RAD is suitable for this final project as it is appropriate for simple projects and allows flexibility for changes through stages such as requirement planning, system design, construction, and cutover. The system verification process will utilize black box testing, while validation will involve the User Acceptance Test (UAT) to assess the system's success.

The outcome of this final project is a management information system for the ESS specialization of the Industrial Engineering Program at Telkom University. With the implementation of this system, it is expected to improve the effectiveness and efficiency of information dissemination within the ESS specialization of designed system.

Keywords: Peminatan ESS, Management Information Systems, Rapid Application Development (RAD).