
Effectiveness Study of Electronic Logbook (LogEz) Usage in Electrical Engineering Department

Wan Norhayati Wan Tahir¹, Maizatul Zalela Mohamed Sail², Murnie Shakilla Shidan³

¹ *Electrical Engineering Department, Sultan Idris Shah Polytechnic, Sungai Air Tawar, Selangor, Malaysia*
E-mail: wan_norhayati@psis.edu.my

^{2,3} *Electrical Engineering Department, Sultan Idris Shah Polytechnic, Sungai Air Tawar, Selangor, Malaysia*
E-mail: maizatul_sail@psis.edu.my

Abstract

The Final Year Project (FYP) is a module introduced to assess students' abilities in applying the skills and knowledge they have learned. A logbook is used as a medium to record activities during each meeting between students and project supervisors. The preparation of logbooks is also one of the assessment criteria in the FYP module. This study aims to examine the effectiveness of the Final Year Project Electronic logbook (LogEz) application in the Department of Electrical Engineering (JKE), Sultan Idris Shah Polytechnic. The study sample consists of 137 respondents, including 17 final project supervisors and 120 students taking the Project 1 (DEE40082) and Project 2 (DEE50102) course for academic Session 1 2023/2024. The study uses a survey method involving 5 aspects of test questions: system usefulness, ease of use and learnability, interface quality, system reliability, user satisfaction, and future use. The information gathered from the study results was analysed quantitatively. The study findings indicate that most respondents agree that the developed LogEz system application is user-friendly, convenient, and easy-to-use interface. Respondents also strongly agree that the functionality of the LogEz system application meets the criteria for assessing the logbook of students' final projects, in addition to improve the planning and organization of students' final projects. As future improvements, suggestions have been proposed by respondents to add new functionalities to the LogEz system application, such as messaging services, to enhance its usage in the department and potentially expand it to higher levels.

Keywords : *Final Year Project(FYP), logbook, LogEz, quantitative*
