

**Development and Evaluation of
UE – Research Management System**

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ABSTRACT

This study developed and evaluated a data-driven Research Management System (RMS) for the University of the East (UE) to facilitate and speed up documentation caused by the absence of a centralized research platform. The system was designed to streamline research submission, approval workflows, integration of external research profiles, and reporting functions. A quantitative research design was employed, with the system developed through a user-centered, iterative prototyping approach and evaluated using user acceptance testing based on the ISO/IEC 25010 quality model. Fifty respondents—including faculty, department chairs, deans, and administrators—assessed six quality characteristics: Functional Suitability, Usability, Performance Efficiency, Reliability, Security, and Overall Satisfaction. The system achieved an overall mean rating of 4.62 (Strongly Agree), with performance efficiency (4.70), usability (4.64), and reliability (4.62). Open-ended feedback highlighted the need for clearer input validation, UI/UX improvements, added support features (e.g., chat assistance, password recovery), and enhanced functions such as dashboards and search tools. Overall, the UE RMS demonstrated to be an efficient, secure, and user-friendly platform that improves transparency, accountability, and research productivity. Its positive evaluation confirms strong alignment with ISO/IEC 25010 standards and its potential as a sustainable digital solution for higher education institutions.

Keywords: Research Management System, academic research tracking, research data management, higher education research, University of the East