

ABSTRACT

Outcome-Based Education (OBE) is a learning approach focused on measurable learning outcomes relevant to workforce demands. Telkom University, particularly its Computer Engineering Program, has adopted OBE to align with its vision of becoming the "National Excellence Entrepreneurial University" by 2028. However, the program faces challenges such as unclear assessment plans, limitations in the I-gracias grading system, and the lack of adequate periodic evaluations. Furthermore, the absence of measurable action plans based on evaluations hinders continuous improvement, which is central to the OBE framework. This study aims to develop a more integrated and advanced system utilizing technologies such as I-gracias, Microsoft Excel, and Q-OBE. Through a comprehensive analysis of each approach's strengths and weaknesses, this research proposes a technology-based solution capable of supporting detailed assessment plans, consistent periodic evaluations, and enhanced learning process effectiveness. Consequently, this new system is expected to not only improve program accreditation but also strengthen graduates' competitiveness in the job market.

Keywords: *Outcome-Based Education (OBE), learning outcomes, plan assessment*