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# Digital Learning Tools and Student Engagement In TVET Education: An Empirical Study at A Community College

Azreen Binti Ahmad Tan<sup>1</sup>,  
Suhaina Binti Mohamed Zaki<sup>2</sup>,  
Sharifah Masitah Binti Syed Salim<sup>3</sup>

<sup>123</sup>*Pasir Gudang Community College, Johor, Malaysia*  
*Email: azreen@kkpg-dl.edu.my*

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## *Abstract*

Digital technologies have transformed teaching and learning practices in higher education, particularly in Technical and Vocational Education and Training (TVET), by enabling more flexible and engaging learning environments. However, the extent to which these digital learning tools enhance student engagement remains a critical question. This study aims to examine the effectiveness of digital learning tools in improving student engagement at Pasir Gudang Community College. A quantitative research approach was employed, involving 30 students from the Certificate in Information Technology programme who responded to a structured questionnaire. The study focused on three main digital tools: CIDOS Learning Management System (LMS), instructional videos, and digital eBooks. Data were analysed using descriptive statistics through mean score calculation, while reliability analysis using Cronbach's Alpha yielded a value of 0.89, indicating high internal consistency. The findings revealed a high level of student engagement, with an overall mean score of 4.37 (agree) on a five-point Likert scale. The results indicate that digital learning tools improve access to learning materials, enhance students' understanding of course content, and increase motivation to participate in learning activities. These findings highlight the importance of integrating digital learning strategies in TVET education to create more effective and engaging learning experiences.

**Keywords:** *Digital learning; Educational technology; Learning management system; Student engagement; TVET education*

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