UNIVERSITI TEKNOLOGI MARA

MATH E-LEARNING PORTAL FOR PKSK USING BLOOM'S DIGITAL TAXONOMY

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ABSTRACT

This project is designed for Standard 6 students in preparation for the Pentaksiran Kemasukan Sekolah Khusus (PKSK), this initiative offers interactive mathematics e-learning portal. Through interesting portal matched with the KSSR syllabus and evaluation forms, the portal seeks to improve students' mathematical knowledge and problem-solving abilities. Interactive exercises, automated quizzes, real-time feedback, and gamified learning components which help to inspire motivation and self-paced learning are among important factors. Designed with contemporary web technology, the portal has an easy-to-use interface fit for elementary school students. Initial usability testing, alongside instructor and student feedback, confirms the portal greatly enhances exam preparedness and independent learning rather than other aspects. This project helps to meet the increasing need for efficient digital learning resources in the framework of Malaysian elementary education.