

## **Development of Multimedia Learning Application for Mastery Learning Style: A Graduated Difficulty Strategy**

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**Abstract :** Guided by the theory of learning style, this study is based on the development of a multimedia learning application for students with mastery learning style. The learning material was developed by applying a graduated difficulty learning strategy. Algebraic fraction was chosen as the learning topic for this application. The effectiveness of this application in helping students learn is measured by giving a pre- and post-test. The result shows that students who learn using the learning material that matches their preferred learning style performs better than the students with a non-personalized learning material.

**Keywords :** algebraic fractions, graduated difficulty, mastery learning style, multimedia

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