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A Preliminary Study on Augmented Reality for Learning Local Wisdom of Indonesian Batik in Vocational Schools

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Abstract

On October 2009, UNESCO entitled Indonesian batik as a Masterpiece of Oral and Intangible Heritage of Humanity. There are over 100 variants of batik that are determined by uniqueness on drawing techniques, regions, patterns, colors, customs, etc. Therefore, they commonly represent culture, philosophy, and local wisdom of a place and society where batik was designed. This paper presents a preliminary study on an implementation of Augmented Reality (AR) for explaining and studying culture and local wisdom contained on batik. Basically there are four parts explained as follows: introduction to batik and its philosophy, AR frameworks and its classifications, a short survey of AR for education, and initial design of AR for learning local wisdom on batik. One of benefits using AR for learning media in vocational schools (SMK) is to raise the value of local knowledge batik in an active, interactive, and fun way. Therefore, results from this study are used to improve the media and to suggest reviews directions for future works in this study.

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KeyWords Plus: EDUCATION; STRATEGY; SYSTEM

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