Universiti Teknologi MARA

House Architectural Model Using Multiple Marker of Augmented Reality

Muhammad Azfar Bin Noor Azmi

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ABSTRACT

Augmented reality give information and meaning to a real object or place. Unlike virtual reality, augmented reality does not create a simulated reality. Instead, it takes a real object or space and uses technologies to add contextual data to deepen understanding of it. In architectural construction, augmented reality has been used to assists user in viewing prospective construction. Therefore, these projects will using the augmented reality application to assist user in viewing multiple floor plan of a house. The methodology used in this project is marker-based tracking using AR-Toolkit. The project will focus on the construct of the marker so that multiple markers can be used to represent one unit of detachable house component. This project also discusses about the experiment regarding AR marker detection, angle testing and brightness testing.

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