

ABSTRACT

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TOOTH EXTRACTION SIMULATION APPLICATION BASED AUGMENTED REALITY

A Scientific Research. Computer System. Faculty of Computer Science and
Information Technology, Gunadarma University, 2018

Keywords: Simulation, Augmented Reality, Unity 3D, Vuforia
(xiv + 62 + Appendieces)

Tooth Extraction Simulation application is an application that aims to show a tooth extraction simulation via a smartphone. This application can be used for people who have a phobia to see and learn the stages of extracting surgery directly or through extraction surgery videos. 3D animations that appear on this application follow the actual operation like lower mouth, injections, dental pliers, and cotton. The design is done using Unity 3D and Vuforia as the main applications in designing Augmented Reality. The stages carried out in the trial include testing the 3D image, testing the virtual button, and testing the running of the animation. The results of these tests become a reference whether the application can be run properly and display the desired information. From the results of the trials that have been conducted, it is expected that this application can be an alternative to learn the stages in the extraction process if it is too afraid to learn the process of extracting teeth directly.