ABSTRACT

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IMPLEMENTATION OF VIRTUAL TOUR GUNADARMA UNIVERSITY CAMPUS E AND CAMPUS D BASED ON WEBSITE USING 3D ENGINE

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(xiii + 101 pages + attachment)

The campus is the place where the process of teaching and learning activities takes place. The success of studying on campus is being able to adapt to the various components that exist in the campus environment. By learning to adapt to a new environment, it is hoped that students will learn more effectively and develop optimally according to their individual abilities. This research focuses on developing and evaluating a virtual tour system that integrates various campus areas. This system is designed to provide an interactive experience for users in exploring and understanding the potential of the campus area. This study aims to identify the impact of adding a wider scope area on the effectiveness, user experience, and decisions of students in using the virtual tour system.

Therefore a virtual tour website was made at Gunadarma University Campus E and Campus D which are centers for both academic and non- academic student activities using Blender as the 3D engine and HTML, CSS as code editors. This website is made in stages in its creation, using the SDLC (System Development Life Cycle) method with 4 stages, namely the planning stage, the analysis stage, the design stage, and the implementation stage. All these stages were used so that this research could be completed. The views contained in this website include the main menu display, about display, user guide display, campus virtual tour display E, and campus virtual tour display D. Researchers created this website with the aim of helping students see the campus shape in 3D visuals that can be rotated 360° and this website is designed simply so that the information presented is clear and easily understood by all students. The results obtained from the trials conducted show that the website runs well on several Windows-based browsers.

References (2003 – 2022)