

## ABSTRACT

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Science and technology are growing in the modern era is given its own color in the field of education. Nowadays education has been supported by the use of appropriate technology, for example, the use of media applications that can be used by students and campus visitors. Telkom University is a university with a building area of 200.000m<sup>2</sup>, making the lecture building which there is plenty. Information on the location of the building is limited to the presentation of a list of tables and maps. So that students and campus visitors difficulties in obtaining location information of the building. Therefore, the authors wanted to create an interactive application building information using location-based augmented reality. Interactive applications update this building was built using Wikitude library with the programming language Java for android smartphone and PHP for Web Application. The results of this interactive application can be used as a means of getting information building, knowing the distance the user with real-time building, where the information presented is in accordance with the actual conditions, with a success rate of 100%.

*Keywords: Interactive Applications, Building, Telkom University, Augmented Reality, Location-Based.*