

**MONOCOTS AND DICOT TISSUES LEARNING APPLICATION
AUGMENTED REALITY-BASED**

Aplikasi Pembelajaran Jaringan Tumbuhan Dikotil Dan Monokotil Berbasis
Augmented Reality

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ABSTRACT

Plant cells that have the same shape, structure and function will form certain plant tissues. The structure of plant organ tissues is one of the materials taught in biology subjects. Among the material about the structure of plant organ tissues is material for distinguishing monocots and dicots. Delivery of material at school is still through conventional media so that teachers are required to have additional learning media that can support the learning process so that it runs well. This research aims to develop dicot and monocot plant tissue learning applications by utilizing technology Augmented Reality. In developing this application using the method markerless making it easier to display 3D objects without assistance marker. Application test results with User Acceptance testing (UAT) obtained 76% which means the application is appropriate. It is hoped that the development of learning media with AR can help increase student understanding and the teaching and learning process can be carried out properly.

Keywords : learning apps, *Augmented Reality*, *Markerless*, structure of monocot and dicot tissues.