

Abstract

Learning method is way to transfer knowledge which is conducted by teacher to student that makes the Student accept the knowledge well. Learning method development should be sustainable by the aim to makes student easier to catch and remembering the subject given by teacher. Models method is one of learning method that teacher usually used. Such in chemist, they usually use models to teach such as atoms model. We can use alternative media nowadays to help the student easier by augmented reality based on mobile application technology. So the students can use the application to learn at home. Reviewing the issues, we are inspired to make the application "**Chemistry**: chemical elements based on Augmented reality learning application for senior high school". We use software Unity 3D and Vuforia to make the application. The result is Augmented reality molecular form of the chemical element group IA until group VIIIA.

Keywords : Augmented reality, Learning, Unsure, Unity 3D, Vuforia.