

## **Abstract**

In studying the solar system, sometimes students experience difficulties in visualizing a planet because they only learn from book or video. We took the initiative to create an application that can help students visualize planets in the solar system using Virtual Reality (VR). We had conducted a research at SMAN 8 Bandung by taking a sample of 40 students of class X (10<sup>th</sup> grade) who study astronomy subject and an astronomy teacher. The instruments of collecting data we used were questionnaires and direct observation. The purpose is to adjust the context that will be included into the application with the materials that the teacher conveyed so it can adjust with the curriculum used. The expected results of making this application are being able to introduce Virtual Reality into education, increase students interest in learning, and help visualize planets in the solar system more realistically.

**Keywords** : virtual reality, solar system, planet, astronomy.