

## **Development of pre-service teachers' understanding about the star and constellation by using active learning method**

Understanding in the astronomy about the star and constellation on a real sky are misinterpretation for student. In this research, students' understanding about the star and constellation were developed by using active learning method.

Activities use in active learning was pointing the stars and constellation on a real sky. The participants were 103 pre-service teachers in general science education in the second semester of the 2020 academic year. The samples are chosen purposively. The research instruments consist of lesson plans and learning achievement tests. The results showed that learning managements was appropriate as leaning activities. It can help the students have clear understanding. In additional, the students can determine the position of the stars and constellation on a real sky.

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