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## #4880 Summary

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### Submission

**Authors** Abdul Wahab Jufri

**Title** Scientific Reasoning Ability of Prospective Student Teacher in the Excellence Program of Mathematics and Science Teacher Education in University of Mataram

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**Submitter** Abdul Wahab Jufri

**Date submitted** January 21, 2016 - 12:56 PM

**Section** Articles

**Editor** Hans-Dieter Barke

**Author comments**  
Dear JPPII editor  
I am sending the article entitled "Scientific Reasoning Ability of Prospective Student Teacher in the Excellence Program of Mathematics and Science Teacher Education in University of Mataram" with hope it can fulfill the JPPII scope.

### Status

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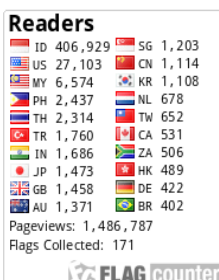
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## Title and Abstract

**Title** Scientific Reasoning Ability of Prospective Student Teacher in the Excellence Program of Mathematics and Science Teacher Education in University of Mataram

**Abstract** **Abstract**

The purpose of this study is to investigate the scientific reasoning ability of the [prospective](#) student teacher, and to analyze the difference in scientific reasoning ability between students in the study programs. The sample set consisted of 179 students joining the [Excellence](#) Program of Mathematics and Science Teacher Education in the Faculty of Teacher Education (FTE) in the University of Mataram. The Classroom Test of Scientific Reasoning (CTSR) was translated into Indonesian language and used to measure the student scientific reasoning ability. The results of this study revealed that 95.5% students have low reasoning ability and were categorized as concrete and transitional reasoner. Very few students (4.5%) reached the category of formal operational reasoner. In addition, significant differences of the students reasoning ability emerged among the third and the fifth semester students, as well as those of students within the four study programs.

## Indexing

**Keywords** scientific reasoning, CTSR, concrete, transition, formal operational

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