

## The Role of Piaget's Theory in Conjecture via Analogical Reasoning

**Authors :** Supratman Ahman Maedi

**Abstract :** The construction of knowledge is the goal of learning. The purpose of this research is to know how the role of Piaget theory in allegation via analogy reasoning. This study uses Think out loads when troubleshooting. To explore conjecturing via analogical reasoning is given the question of open analogy. The result: conjecture via analogical reasoning has been done by students in the construction of knowledge, in conjecture there are differences in thinking flow depending on the basic knowledge of the students, in the construction of knowledge occurs assimilation and accommodation problems, strategies and relationships.

**Keywords :** analogical reasoning, conjecturing, knowledge construction, Piaget's theory

**Conference Title :** ICSME 2017 : International Conference on Science and Mathematics Education

**Conference Location :** Barcelona, Spain

**Conference Dates :** August 17-18, 2017