

## THE ABILITY TO COMMUNICATE IDEAS OF STUDENTS IN THE COURSE TEACHING AND LEARNING STRATEGY

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### ABSTRACT

Communication ability is essential in our life. Without communication, we couldn't interact well with other people. Communication can help us to get new knowledge and open our mind. This study aims to obtain a representation of students' communication skills in expressing mathematical ideas in lectures of Teaching and Learning Strategy Mathematics. Students communicated the idea of mathematical ideas during lectures such as during presentations, ask questions, answer lecturers' questions and when they provide arguments about matters relating to the realm of mathematics. The method used in this study was a descriptive method. The subject for this research was the student in college which took teaching and learning lecturer. The results showed that students had shown various ability to communicate their mathematical ideas in aspects of writing their understanding about mathematical concept and representation. They describe the mathematical notion they have in the form of a chart containing a concept map of the set. They created a diagram of the content of the set that includes how to declare the set, the set type, the relationship between the set and the set operation. Students discussed together to discuss the application of Bruner theory at the enactive, iconic and symbolic stage. Students calculated the area of the classroom based on the number of ceramics in the classroom. In the iconic stage, they calculated the area of the existing rectangle in the plotted image. At the symbolic stage, they can write that the area of the rectangle =  $p \times l$

**Keywords:** Communication ability, Teaching strategy.