

## ABSTRACT

**Sri Linda Lusianti, 2014.** “Increasing Students’ Ability in Solving the Exam Problems on System of Two Variable Equations Linear Material through Problem Based Learning.” Skripsi. Department of Mathematics Education, Faculty of Mathematics and Natural Sciences, Universitas Negeri Gorontalo.

The research aimed to increase the students’ ability in solving the exam problems on system of two variable equations material through problem based learning. Subjects of research were all students at class VII-1 of SMP Negeri 10 Gorontalo amounted to 14 males and 18 females. The research was held into two cycles which consist of four stages such as preparation, implementation, observation and analysis and reflection. The techniques of data collection were observation and giving test at the end learning cycle. The result showed that at cycle 1 there were 21 of 32 students (63%) who gained the score more than 70. The result percentage of students’ achievement at cycle 1 did not achieve the performance indicator had not achieved due to the percentage of teachers’ activity as 81,4% and the students’ activity 80,6% in good and excellent category. The cycle II resulted 28 of 32 students (87,5%) gained the score more than 70. It was caused by the percentage of teachers’ activity as 91,3% and students’ activity as 88,2%. Thus, it could be concluded that by using problem based learning model on two variables of equations linear system material, the students’ ability at class VII-I of SMP Negeri Gorontalo in 2013/2014 academic years in solving the exam problems could increase.

**Keywords:** Ability in Solving The Exam Problems, *Problem Based Learning*