**ABSTRACT**

**Mega Fitria. (2019). *Application of models Learning Problem Based Learning to improve the ability to solve mathematical problems and motivation to learn Sma review of social economics parents***

***Abstract****: This research is a mixed-method research type of embedded design with class action research. Grade XI Students SMA 2 Padalarang is a research population. The study aims to determine the implementation of the Problem Based Learning model of learning can improve the mathematical problem solving skills and the motivation of learning students are reviewed from the social economics of the parents (high, moderate and low); To find out the differences in mathematical problem solving skills and learning motivation for students who are getting the Problem-Based learning model and students who obtain conventional learning models are reviewed from the socio-economic Parents (high, moderate and low); To find out there is a relationship between mathematical problem solving skills and the learning motivation of students reviewed from the social economics of parents (high, moderate and low). The results of the analysis were obtained that: 1) the implementation of the Problem Based Learning learning model can improve mathematical problem solving skills and the learning motivation of students are reviewed from the social economics of parents (high, moderate and low); 2) There are differences in mathematical problem solving skills and learning motivation for students who get using Problem Based Learning model and students who get conventional learning model are reviewed from social economic people Parents (high, moderate and low); 3) There is no link between mathematical problem solving skills and the learning motivation of students is reviewed from the social economics of parents (high, moderate and low).*

***Keywords****: Model Problem Based Learning, problem solving skills, learning motivation, socio-economic, parents*