

ABSTRACT

Ica Cahya Tri Suci. **Peningkatan Kemampuan Pemecahan Masalah Matematis dan Dampaknya terhadap Resiliensi Matematis Siswa SMA melalui Model *Problem-Based Learning* Berbantuan *Wizer.me*.**

Students' mathematical problem solving ability is classified in the low category. The purpose of this study was to determine: 1) mathematical problem solving ability of students who get PBL model assisted by Wizer.me compared to students who get ordinary learning, 2) improvement in mathematical problem solving ability of students who get PBL model assisted by Wizer.me compared to students who get ordinary learning, 3) mathematical resilience of students who get PBL model assisted by Wizer.me compared to students who get ordinary learning, 4) positive correlation between mathematical problem solving ability and mathematical resilience of students who get PBL model assisted by Wizer.me. The research method used was quasi experiment with nonequivalent control group design. The subjects of this study amounted to 60 people where 30 X-1 class students who received the PBL model assisted by Wizer.me and 30 X-3 students who received ordinary learning at SMA Negeri 27 Bandung in the 2023/2024 school year. The research instruments used in this study were test instruments to examine students' mathematical problem solving skills and non-test instruments to determine students' mathematical resilience scale. The collected data were analyzed using descriptive statistics and inferential statistics with the help of Microsoft Excel 2010 and SPSS 23.0 for Windows. Based on the data analysis of the research results, the conclusions were obtained: 1) Mathematical problem solving ability of students who get PBL model assisted by Wizer.me is better than students who get ordinary learning. 2) The improvement of mathematical problem solving ability of students who get PBL model assisted by Wizer.me is higher than students who get ordinary learning. 3) Mathematical resilience of students who get PBL model assisted by Wizer.me is better than students who get ordinary learning. 4) There is a negative correlation between mathematical problem solving ability and mathematical resilience of students who get PBL model assisted by Wizer.me.

Keywords: *Mathematical Problem Solving Ability, Mathematical Resilience, Problem-Based Learning Model, Wizer.me*