

Using Research-Based Learning to Develop Problem-Solving Thinking Skills in Student Teachers

Research Background

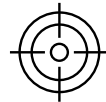


Problem-solving is the most fundamental basis of all types of thinking



Research-based learning is highly suitable for higher education and has a powerful approach to promote and develop problem-solving thinking abilities in student teachers

Research objective



- 1 To develop a research-based learning management plan in Learning Experiences for Young Children subject for student teachers
- 2 To study the effectiveness of the developed learning management plan

Methodology



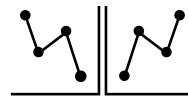
Participants

28 fourth-year student teachers in the elementary major, was selected using cluster sampling



Instruments

- Learning management plan
- A problem-solving ability test
- Reflective journals



Data analysis

- Mean
- Standard deviation
- ANOVA
- Content analysis

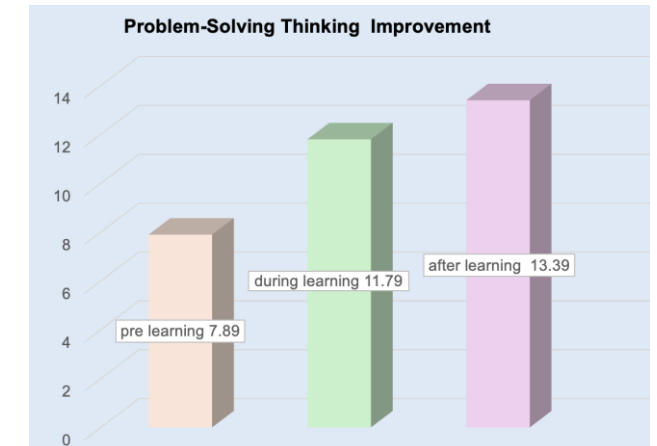


Data were collected for three times: before, during, after learning

Results



Management plan was validated by expert at the highest level ($M = 4.69$)



Statistically significant differences at the .05 level