

# **Improving Teacher's Pedagogical Competence in Developing Higher Order Thinking Skills of Students through Lesson Study using Problem Based Mathematics Learning**

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## **ABSTRACT**

This lesson study activity aims to improve the teacher's pedagogical competence in developing problem-based mathematics learning. Specifically the learning activities in this lesson study aim to develop students' higher-order thinking skills through problem-based mathematics learning.

This lesson study involved mathematics teachers in Yogyakarta who are members of the Mathematics MGMP of Junior High School in Yogyakarta. As the model teachers are a mathematics teacher at SMP Abu Bakar Yogyakarta and SMP Negeri 3 Yogyakarta. The lesson study implementation consists of plan - do - see. Plan is a learning planning activity that is carried out collaboratively between a research team and mathematics teachers. Do is the implementation of learning activities and See is the activity of observing and reflecting learning outcomes.

*Kata Kunci: Lesson Study, Pedagogical Competence, Higher Order Thinking Skills, Problem Based Mathematics Learning*