

PENINGKATAN KOMPETENSI PEDAGOGIK GURU MELALUI LESSON STUDY PEMBELAJARAN MATEMATIKA BERBASIS MASALAH DENGAN PENDEKATAN WORKED EXAMPLE

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ABSTRACT

This lesson study activity aims to improve teacher pedagogic ability, especially in the development of problem-based mathematics learning method with worked example approach. In particular, the lesson study activity aims to improve students' problem solving skills through problem-based mathematics learning with worked example approach.

A worked example approach is a problem-based learning approach developed based on Cognitive Load Theory. This theory is principled on the characteristics of students' cognitive structures in processing mathematical problem solving materials. With mathematics learning designed based on students' cognitive abilities, it is hoped that problem-solving ability as the goal of mathematics learning can be achieved effectively and efficiently.

This lesson study involves mathematics teachers in Yogyakarta. As a teacher model is a mathematics teacher at SMP Negeri 1 Yogyakarta who is a partner of UNY. The implementation of the lesson study consists of plan - do - see. Plan is a collaborative learning planning activity between research teams and mathematics teachers. Do is an activity of learning implementation and See is activity of observing and reflecting learning result.

Kata Kunci: *Lesson Study, Pedagogic Competence, Problem Based Learning, Worked Example*