

MENINGKATKAN HASIL BELAJAR LOGIKA MATEMATIKA MELALUI METODE *PROBLEM BASED LEARNING*

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Abstrak: Tujuan penelitian adalah mengetahui peningkatan hasil belajar logika matematika melalui Metode *Problem-Based Learning* di Kelas XB SMA Muhammadiyah 1 Blitar. Sintak dari *Problem-Based Learning* adalah (1) orientasi siswa terhadap masalah, (2) mengorganisasi siswa untuk belajar, (3) membimbing penyelidikan individual dan kelompok, (4) mengembangkan dan menyajikan hasil karya, dan (5) menganalisis dan mengevaluasi proses pemecahan masalah. Jenis penelitian ini adalah Penelitian Tindakan Kelas (PTK) atau *Classroom Action Research*. Berdasarkan hasil tes siklus akhir I menunjukkan bahwa siswa yang mencapai skor e" 65 sebanyak 18 siswa atau 100% dari 18 orang, berarti prosentase siswa yang tuntas e" 85% meskipun rata-rata skor sudah mencapai 69. Sedangkan hasil tes awal prosentase siswa yang tuntas 60% dengan rata-rata 62, berarti ada peningkatan sebesar 40% terhadap tes akhir siklus I.

Kata kunci : hasil belajar, logika matematika, *problem-based learning*

Abstract: The research objective was to determine an increase in the logic of mathematics learning through Problem-Based Learning Methods in a Class XB SMA Muhammadiyah 1 Blitar. The syntax of the Problem-Based Learning is (1) the orientation of students to the problem, (2) organizing students to learn, (3) guiding the investigation of individual and group, (4) develop and present the results of the work, and (5) analyze and evaluate the process of solving problem. This type of research is the Classroom Action Research (PTK) or Classroom Action Research. Based on the results of the test cycle end I suggest that students who achieve a score of e" 65 as many as 18 students or 100% of 18 men, mean percentage of students who completed e" 85% although the average score had reached 69. While the results of preliminary tests the percentage of students who complete 60% with an average of 62, meaning there is an increase of 40% of the final test cycle I.

Key words: learning outcomes, mathematical logic and problem-based learning