

ABSTRAK

Hermanto manihuruk. Pengembangan Perangkat Pembelajaran Matematika Berbasis PMR Berbantuan Hypercontent untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis dan Kemandirian Belajar Siswa Kelas VIII SMP N 1 Jorlang Hataran. Tesis. Medan: Program Studi Pendidikan Matematika Pascasarjana Universitas Negeri Medan. 2024.

Penelitian ini bertujuan untuk: Menganalisis validitas, kepraktisan, dan efektivitas perangkat pembelajaran matematika berbasis PMR berbantuan hypercontent yang dikembangkan untuk meningkatkan kemampuan memecahkan masalah matematika dan kemandirian belajar siswa kelas VIII SMP N 1 Jorlang Hataran. Jenis penelitian ini adalah penelitian pengembangan yang menggunakan model pengembangan ADDIE. Tempat dan waktu penelitian dilaksanakan di SMP N 1 Jorlang Hataran pada semester genap tahun ajaran 2022/2023 pada mata pelajaran Teorema Pythagoras. Subjek penelitian ini adalah siswa kelas VIII-3 SMP N 1 Jorlang Hataran tahun ajaran 2022/2023 berjumlah 32 siswa, sedangkan objek penelitian ini adalah perangkat pembelajaran matematika berbasis PMR berbantuan *hypercontent* untuk meningkatkan kemampuan memecahkan masalah dan kemandirian belajar siswa pada materi Teorema Pythagoras. Hasil penelitian; Perangkat pembelajaran matematika berbasis PMR berbantuan *hypercontent* yang dikembangkan dinyatakan valid, praktis dan efektif; peningkatan kemampuan memecahkan masalah matematika dan kemandirian belajar siswa kelas VIII SMP N 1 Jorlang Hataran melalui perangkat pembelajaran matematika berbasis PMR berbantuan *hypercontent* yang dikembangkan dinyatakan meningkat.

Kata kunci: Pengembangan, Model ADDIE, PMR, *Hypercontent*, Pemecahan Masalah, kemandirian belajar

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ABSTRACT

Hermanto Manihuruk. Development Of Pmr-Based Mathematics Learning Device Assisted With Hypercontent To Improve Students' Mathematical Problem Solving Ability And Learning Independence State Junior High School 1 Jorlang Hantaran. Thesis. Medan: Postgraduate Mathematics Education Study Program, Univeritas Negeri Medan, 2024.

This research aims to: Analyze the validity, practicality, and effectiveness of PMR-based mathematics learning tools assisted by hypercontent which were developed to improve the mathematical problem solving abilities and learning independence of class VIII students at SMP N 1 Jorlang Hantaran. This research method is a type of development research using ADDIE learning tools. The place and time of the research was carried out at SMP N 1 Jorlang Hantaran in the even semester of the 2022/2023 academic year on the subject of the Pythagorean Theorem. The subjects in this research were students in class VIII-3 of SMP N 1 Jorlang Hantaran for the 2022/2023 academic year with a total of 32 students, while the object of this research was a learning tool developed based on a realistic mathematics approach assisted by hypercontent to improve problem solving abilities and learning independence. students on Pythagorean theorem material. Research results: The PMR-based mathematics learning device assisted by hypercontent that was developed was declared valid, practical and effective; the increase in mathematical problem solving abilities and learning independence of class VIII students at SMP N 1 Jorlang Hantaran through the PMR-based mathematics learning device assisted by hypercontent that was developed was stated to have increased.

Keywords: Development, ADDIE Model, PMR, Hypercontent, Problem Solving, independence

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