ABSTRAK

Tharisya Annida Radani, NIM. 4193311037, (2023), Penerapan Model Pembelajaran *Discovery Learning* Untuk Meningkatkan Pemahaman Konsep Matematika Siswa.

Penelitian ini bertujuan untuk mengetahui apakah penerapan model pembelajaran *discovery learning* dapat meningkatkan kemampuan pemahaman konsep matematika siswa dikelas VIII-1 SMP Negeri 2 Namo Rambe. Jenis penelitian ini ialah penelitian tindakan kelas. Subjek penelitian ini adalah siswa kelas VIII-1 SMP Negeri 2 Namo Rambe T.P 2022/2023 yang sebanyak 32 siswa. Objek penelitian ini merupakan kemampuan pemahaman konsep matematis siswa dengan menerapkan model pembelajaran *discovery learning* pada materi peluang. Pembelajaran model discovery learning dengan enam langkah yaitu *stimulation* (memberi stimulus), *problem statement* (mengidentifikasi masalah), *data collecting* (mengumpulkan data), *data processing* (mengolah data), *verification* (memverifikasi), dan *generalization* (menyimpulkan). Instrumen yang digunakan tes dan observasi. Penelitian ini terdiri dari dua siklus dan diberikan tes kemampuan pemahaman konsep matematis siswa diakhir setiap siklus. Berdasarkan analisis data kemampuan pemahaman konsep matematis siswa diperoleh rata-rata kemampuan pemahaman konsep matematis siswa meningkat dari 70,57 di siklus I menjadi 82,6 di siklus II, dengan persentase ketuntasan klasikal 56,25% di siklus I menjadi 87,5% di siklus II. Hasil pengamatan kemampuan guru dalam mengolah pembelajara meningkat dari 2,53 di siklus I menjadi 3,4 di siklus II. Berdasarkan uraian-uraian di atas disimpulkan pemahaman konsep matematis siswa dapat meningkat dengan menerapkan model pembelajaran *discovery learning* pada materi peluang di kelas VIII-1 SMP Negeri 2 Namo Rambe.

Kata Kunci : *Discovery Learning*, Pemahaman Konsep, Peluang.

ABSTRAK

Tharisya Annida Radani, NIM. 4193311037 (2023), Implementation Of Discovery Learning Models To Improve Concepts Understanding Student Mathematics

This study aims to determine whether the application of the discovery learning model can improve students' ability to understand mathematical concepts in class VIII-1 of SMP Negeri 2 Namo Rambe. This type of research is classroom action research. The subjects of this study were 32 students in class VIII-1 of SMP Negeri 2 Namo Rambe T.P 2022/2023. The object of this research is the ability to understand students' mathematical concepts by applying the discovery learning model to the opportunity material. Discovery learning model learning with six steps, namely stimulation (giving stimulus), problem statement (problem identification), data collection (collecting data), data processing (data processing), verification (verifying), and generalization (concluding). The instruments used were tests and observations. This study consisted of two cycles and was given a test of students' ability to understand mathematical concepts at the end of each cycle. Based on data analysis of students' ability to understand mathematical concepts, it was obtained that the average ability to understand students' mathematical concepts increased from 70,57 in cycle I to 82.6 in cycle II, with the proportion of mastery learning 56,25% in cycle I to 87,5% in cycle II . The results of observing the teacher's ability to process learning increased from 2.53 in cycle I to 3.4 in cycle II. Based on the descriptions above, students' understanding of mathematical concepts can be increased by applying the discovery learning model to opportunity material in class VIII-1 of SMP Negeri 2 Namo Rambe.

Keywords: Discovery Learning, Understanding Concepts, Opportunities.