

ABSTRAK

Wahyu Anugerah Sianipar, NIM 4183311050 (2023). Peningkatan Hasil Belajar Matematika Siswa Melalui Model Problem Based Learning Pada Materi Barisan Dan Deret.

Penelitian ini bertujuan untuk mengetahui bagaimana peningkatan hasil belajar matematika siswa melalui model *Problem Based Learning* di kelas VIII-4 SMPN 2 Bandar Khalipah pada materi Barisan dan Deret. Penelitian ini merupakan Penelitian Tindakan Kelas (PTK). Subjek dalam penelitian ini adalah 20 orang siswa kelas VIII-4 SMPN 2 Bandar Khalipah. Instrumen pada penelitian ini terdiri dari tes dan lembar observasi. Tes digunakan untuk mengukur tingkat kemampuan hasil belajar matematika siswa dan lembar observasi digunakan untuk mengukur dan mengamati kegiatan yang terjadi selama kegiatan pembelajaran. Hasil tes kemampuan awal menunjukkan bahwa rata-rata kemampuan hasil belajar matematika siswa ialah 28,44 termasuk kategori kemampuan Sangat Kurang. Persentase ketuntasan klasikal yang diperoleh ialah 10,00%. Pada siklus I, hasil tes menunjukkan bahwa rata-rata kemampuan hasil belajar matematika siswa ialah 74,06 termasuk kategori kemampuan Cukup. Persentase ketuntasan klasikal yang diperoleh ialah 60,00%. Pada siklus II, hasil tes menunjukkan bahwa rata-rata kemampuan hasil belajar matematika siswa ialah 80,94 termasuk kategori kemampuan Baik. Persentase ketuntasan klasikal yang diperoleh ialah 85,00%. Selain itu, proses pembelajaran dengan menggunakan model *problem based learning* juga mengalami peningkatan. Dari hasil observasi, diperoleh bahwa nilai rata-rata proses pembelajaran siklus I ialah 2,71 termasuk kategori Baik, dan nilai rata-rata proses pembelajaran siklus II ialah 3,32 termasuk kategori Sangat Baik. Dengan adanya peningkatan tersebut, disimpulkan bahwa dengan diterapkannya model *problem based learning* maka terjadi peningkatan terhadap kemampuan hasil belajar matematika siswa kelas VIII-4 SMPN 2 Bandar Khalipah.

Kata Kunci: Hasil Belajar, *Problem Based Learning*, Penelitian tindakan kelas



ABSTRACT

Wahyu Anugerah Sianipar, NIM 4183311050 (2023), Improving Student Mathematics Learning Outcomes Through Problem Based Learning Models on Sequences and Series Material.

This research aims to find out how to improve student mathematics learning outcomes through the Problem Based Learning model in class VIII-4 SMPN 2 Bandar Khalipah on Lines and Series material. This research is Classroom Action Research (PTK). The subjects in this research were 20 students in class VIII-4 of SMPN 2 Bandar Khalipah. The instruments in this research consisted of tests and observation sheets. Tests are used to measure the level of students' mathematics learning outcomes and observation sheets are used to measure and observe activities that occur during learning activities. The results of the initial ability test show that the average student mathematics learning ability is 28.44, including the Very Poor ability category. The classical completion percentage obtained is 10.00%. In cycle I, the test results showed that the average student mathematics learning ability was 74.06, including the Sufficient ability category. The classical completeness percentage obtained is 60.00%. In cycle II, the test results showed that the average student mathematics learning ability was 80.94, including the Good ability category. The classical completeness percentage obtained is 85.00%. Apart from that, the learning process using the problem based learning model has also improved. From the observation results, it was found that the average value of the first cycle learning process was 2.71, including the Good category, and the average value of the second cycle learning process was 3.32, including the Very Good category. With this increase, it was concluded that by implementing the problem based learning model there was an increase in the mathematics learning outcomes of class VIII-4 students at SMPN 2 Bandar Khalipah.

Keywords: Learning Outcomes, Problem Based Learning, Classroom Action Research.

