

ABSTRAK

Yani Sahara Hutasuhut, NIM 4172111021 (2022). Pengaruh Pembelajaran *Open Ended* Berbantuan *Google Classroom* Terhadap Kemampuan Pemahaman Konsep Matematis Siswa Smp Negeri 1 Bilah Hilir.

Tujuan dalam penelitian ini yaitu untuk mengetahui dan mendeskripsikan pengaruh pembelajaran *open ended* berbantuan *gooole classroom* terhadap kemampuan pemahaman konsep matematis siswa Smp Negeri 1 Bilah Hilir. Populasi pada penelitian ini yaitu seluruh kelas VIII Smp Negeri 1 Bilah Hilir yang terdiri dari 7 kelas yang jumlah keseluruhan siswanya 145 siswa. Sedangkan pengambilan sampel di dalam penelitian sesuai yang disarankan oleh guru yaitu kelas VIII-3 sebagai kelas *eksperimen* dan VIII-4 sebagai kelas kontrol yang berjumlah 15 siswa. Sebagai instrumen penelitian digunakan data hasil *pre-test* dan *post-test* dalam bentuk tes *essay* pada materi relasi dan fungsi, dimana masing-masing soal berjumlah 4 soal dan telah divalidasi oleh dosen matematika. Uji yang digunakan dalam penelitian ini yaitu uji-t^{pihak} kanan. Setelah pengelolaan data Statistik uji-t pihak kanan diperoleh bahwa, $t_{hitung} = 2,006$ dan $t_{tabel} = 1,70$ maka, $t_{hitung} > t_{tabel}$ atau $2,006 > 1,70$. Hal ini berarti terima H_a dan tolak H_0 . Berdasarkan hasil uji-t tersebut, maka dapat disimpulkan bahwa terdapat pengaruh penggunaan pendekatan pembelajaran *open ended* berbantuan *google classroom* terhadap pemahaman konsep matematis siswa Smp Negeri 1 Bilah Hilir.

Kata Kunci: Pembelajaran *Open Ended*, *Google Classroom*, Kemampuan Pemahaman Konsep Matematis

ABSTRACT

Yani Sahara Hutasuhut, NIM 4172111021 (2022). The Effect of Google Classroom Assisted Open Ended Learning on the Ability to Understand Mathematical Concepts of Smp Negeri 1 Bilah Hilir Students.

The purpose of this study is to determine and describe the effect of open ended learning assisted by the gooole classroom on the ability to understand mathematical concepts of Smp Negeri 1 Bilah Hilir students. The population in this study were all class VIII Smp Negeri 1 Bilah Hilir which consisted of 7 classes with a total of 192 students. While the sampling in this study using Simple Random Sampling where every class VIII has the same opportunity to be the research sample. The sample in this study was class VIII-3 as the experimental class and VIII-4 as the control class, which consisted of 15 students. as the research instrument, the data from the pre-test and post-test were used in the form of an essay test on the material of relations and functions, where each question consisted of 4 questions and was validated by a mathematics lecturer. The test used in this study is the right-hand t-test. After managing the right-hand statistical t-test data, it was found that, $t_{count} = 2.006$ and $t_{table} = 1.70$, so $t_{count} > t_{table}$ or $2.006 > 1.70$. This means accept H_a and reject H_0 . Based on the results of the t-test, it can be concluded that there is an effect of using an open-ended learning approach assisted by google classroom on the understanding of mathematical concepts of Smp Negeri 1 Bilah Hilir students.

Keywords: Open Ended Learning, Google Classroom, Mathematical Concept Understanding Ability