**ABSTRAK**

**PENGARUH MINAT DAN MOTIVASI BELAJAR TERHADAP HASIL BELAJAR MATEMATIKA PADA MATERI SISTEM PERSAMAAN LINIER DUA VARIABEL SISWA MTs SWASTA ASTHOFFAINA TAHUN PELAJARAN 2020/2021**

**ADLIN NUR BATU BARA**

Penelitian ini bertujuan untuk mengetahui pengaruh minat dan motivasi belajar terhadap hasil belajar matematika pada materi sistem persamaan linier dua variabel siswa MTs Swasta Asthoffaina tahun pelajaran 2020/2021. Jenis penelitian ini adalah assosiatif dengan metode kuantitatif. Populasinya adalah siswa MTs Swasta Asthoffaina. Sampel penelitiannya adalah kelas VIII MTs Swasta Asthoffaina dengan jumlah sampel sebanyak 17 siswa. Instrumen penelitian dengan menggunakan angket dan tes. Uji coba instrumen meliputi uji validitas dan reliabilitas untuk instrumen angket sedangkan tes meliputi uji tingkat kesukaran dan daya beda soal. Uji prasyarat analisis meliputi uji normalitas, linieritas dan multikolonieritas. Hasil analisis regresi sederhana menghasilkan persamaan $\hat{Y}$ **=** 11,477 + 0,546 X untuk pengaruh minat terhadap hasil belajar sedangkan persamaan untuk pengaruh motivasi terhadap hasil belajar yaitu $\hat{Y}$ **=** 8,787 + 0,589 X. Hasil output analisis menunjukkan nilai korelasi antara minat terhadap hasil belajar yaitu 0,647. Koefisien determinasinya sebesar 41,9 % dan nilai signifikannya 0,005< 0,05. Sedangkan nilai korelasi motivasi terhadap hasil belajar 0,741, koefisien determinasinya 54,9 % , dan nilai signifikannya 0,001 < 0,05. Hasil analisis regresi berganda menghasilkan persamaan $\hat{Y}$ = 8,586 + 0,019 X1 + 0,573 X2. Korelasi antara minat dan motivasi terhadap hasil belajar yaitu 0,741. Koefisien determinasinnya 54,9 % dan nilai signifikannya 0,004 < 0,05. Dari hasil proses analisis, semua hipotesis diterima sehingga kesimpulan dari penelitian ini adalah : (1) Terdapat pengaruh yang signifikan antara minat terhadap hasil belajar matematika pada materi sistem persamaan linier dua variabel siswa MTs Swasta Asthoffaina tahun pelajaran 2020/2021, (2) Terdapat pengaruh yang signifikan antara motivasi belajar terhadap hasil belajar matematika pada materi sistem persamaan linier dua variabel siswa MTs Swasta Asthoffaina tahun pelajaran 2020/2021, (3) Terdapat pengaruh yang signifikan antara minat dan motivasi belajar terhadap hasil belajar matematika pada materi sistem persamaan linier dua variabel siswa MTs Swasta Asthoffaina tahun pelajaran 2020/2021.

Kata kunci : Minat belajar, motivasi belajar, hasil belajar.

***ABSTRACT***

***THE EFFECT OF INTEREST AND MOTIVATION ON STUDENTS’ LEARNING OUTCOMES OF TWO-VARIABLES SYSTEM OF***

***LINEAR EQUATIONS OF STUDENTS OF PRIVATE MTs***

***ASTHOFFAINA IN ACADEMIC YEAR 2020/2021***

**ADLIN NUR BATU BARA**

*The objective of the research was to determine the effect of interest and motivation on mathematics learning outcomes on the material of a two-variable system of linear equations for students at private MTs asthoffaina in academic year 2020/202. The type of research was associative with quantitative method. The population of the research was the students of private MTs asthoffaina.. The sample of the research was grade VIII students of MTs asthoffaina consisting of 17 students. The research instruments were questionnaire and test. The test of the instrument included the validity and reliability test for the questionnaire instrument, while the test included the difficulty level and differentiating power of the questions. The analysis prerequisite tests included tests for normality, linearity and multicollinearity. The results of simple regression analysis showed that the equation Y = 11.477 + 0.546X for the effect of interest on learning outcomes while the equation for the effect of motivation on learning outcomes is Y = 8.787 + 0.589X. The results of the analysis output indicate the correlation value between interest in learning outcomes is 0.647. The coefficient of determination was 41.9% and the significant value was 0.005 <0.05. While the correlation value of motivation to learning outcomes was 0.741, the coefficient of determination is 54.9%, and the significant value is 0.001 <0.05. The results of multiple regression analysis produce the equation Y = 8.586 + 0.019 X1 + 0.573 X2. The correlation between interest and motivation on learning outcomes is 0.741. The coefficient of determination was 54.9% and the significance value is 0.004 <0.05. From the results of the analysis process, all hypotheses were accepted so that the conclusions of this study are: (1) There is a significant influence between interest in learning mathematics outcomes on the material of a linear equation system of two variables for private MTs students asthoffaina in academic year 2020/2021 (2) There was the significant relationship between learning motivation on learning outcomes in mathematics on the material of a two-variable system of linear equations for students of MTs asthoffaina in academic year 2020/2021, (3) There was the significant effect between interest and learning motivation on learning outcomes in mathematics on the material of a linear equation system for two student variables MTs Asthoffaina in academic year 2020/2021.*

*Keywords: learning interest, learning motivation, learning outcomes.*