Pengaruh Penerapan Model Pembelajaran "MURDER" Berbantuan Edmodo Terhadap Kemampuan Pemecahan Masalah Matematika Dan Motivasi Belajar Siswa SMP Negeri 1 Mengwi

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ABSTRAK

Penelitian ini bertujuan untuk (1) mengetahui apakah model pembelajaran "MURDER" berbantuan edmodo berpengaruh positif terhadap kemampuan pemecahan masalah dan motivasi belajar matematika siswa (2) mengetahui apakah model pembelajaran "MURDER" berbantuan edmodo berpengaruh positif terhadap kemampuan pemecahan masalah matematika siswa (3) mengetahui apakah model pembelajaran koopertif "MURDER" berbantuan edmodo berpengaruh positif terhadap motivasi belajar matematika siswa. Penelitian ini berupa eksperimen dengan *post-test only control group design* pada populasi yang terdiri 7 kelas dan dipilih secara random 2 kelas sebagai sampel penelitian. Eksperimen berupa penerapan model pembelajaran "MURDER" berbantuan edmodo dilaksanakan selama 8 kali tatap muka. Data berupa pemecahan masalah matematika dikumpulkan dengan tes uraian dan motivasi belajar matematika siswa dikumpulkan berupa angket. Data dianalisis mengunakan uji Manova dengan taraf signifikansi 5%. Hasil eksperimen menunjukkan bahwa (1) kemampuan pemecahan masalah dan motivasi belajar matematika siswa yang mengikuti model pembelajaran "MURDER" berbantuan edmodo lebih baik secara signifikan dari kemampuan pemecahan masalah dan motivasi belajar matematika siswa yang mengikuti pembelajaran konvensional, (2) kemampuan pemecahan masalah matematika siswa yang mengikuti model pembelajaran "MURDER" berbantuan edmodo lebih baik secara signifikan dari kemampuan pemecahan masalah matematika siswa yang mengikuti pembelajaran konvensional, (3) motivasi belajar matematika siswa yang mengikuti model pembelajaran "MURDER" berbantuan edmodo lebih baik secara signifikan dari motivasi belajar matematika siswa yang mengikuti pembelajaran konvensional.

Kata kunci : Model "MURDER", Edmodo, Kemampuan Pemecahan Masalah, Motivasi Belajar.

The Effect of "MURDER" Learning Model through Edmodo Toward Mathematics Problem Solving and Mathematics Learning Motivation of Students SMP Negeri 1 Mengwi.

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Abstract

This study aimed to (1) know whether MURDER learning model through Edmodo had positive effect toward problem solving and mathematics students learning motivation (2) investigate whether MURDER learning model through Edmodo had positive effect toward students' problem solving (3) investigate whether MURDER learning model through Edmodo had positive effect toward mathematics students learning motivation. This study was experimental research that implemented post-test only control group design who had populations consisted of 7 classes that chose 2 classes randomly as a sample. The Experiment is the application of MURDER learning model through Edmodo that had been done in 8 meetings. The data were in the form of mathematical problem solving that was collected by test and mathematics students learning motivation was collected by questionnaire. The data were analyzed using Manova test with significance level of 5%. The experimental results showed that (1) the problem solving and mathematics students learning motivation who was treated by MURDER learning model through Edmodo was significantly better rather than problem solving and mathematics students learning motivation who was treated by conventional learning, (2) the mathematics students problem solving who was treated by MURDER learning model through Edmodo was significantly better rather than mathematics students problem solving who was treated by conventional learning, (3) the mathematics students learning motivation who treated by MURDER learning model through Edmodo was significantly better rather than mathematics students learning motivation who was treated by conventional learning.

Keywords : MURDER model, Edmodo, Problem Solving, Learning Motivation.