PENGARUH MODEL *GUIDED DISCOVERY LEARNING* BERBANTUAN *QUIZIZZ* TERHADAP KEMAMPUAN PEMECAHAN MASALAH MATEMATIS BAGI SISWA KELAS VIII BERPENGETAHUAN AWAL RENDAH

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ABSTRAK

Penelitian ini berawal dari adanya gap dari pengaruh model *guided discovery learning* terhadap kemampuan memecahkan masalah matematis bagi siswa berpengetahuan awal rendah dengan siswa berpengetahuan awal sedang-tinggi. Hal ini disebabkan oleh keterbatasan kognitif, kebutuhan arah yang jelas, kesalahpahaman, kurangnya kemandirian, kehilangan motivasi dan keterbatasan waktu. Penelitian ini bertujuan menguji pengaruh model pembelajaran *guided discovery learning* berbantuan *quizizz* terhadap kemampuan pemecahan masalah matematika siswa. Penelitian ini termasuk dalam *true experiment* yang mempergunakan desain *post test only control group design*. Populasinya sebanyak 63 siswa kelas VIII berpengetahuan awal rendah. Sampel ditentukan dengan teknik *simple random sampling* dan dibentuk dua kelas yang dijadikan kelas penelitian. Analisis data memakai Uji T - *independen one way* (sig 0,05). Berlandaskan pada hasil analisis penelitian didapat nilai signifikansi sebesar 0,00 < 0,05. Nilai tersebut bermakna kemampuan pemecahan masalah dikasih siswa yang menempuh aktivitas pembelajaran dengan pendekatan *guided discovery learning* berbantuan *quizizz* unggul dibanding dengan siswa yang menempuh kegiatan belajar secara konvensional. Maka, model pembelajaran *guided discovery learning* berbahan *quizizz* memberi dampak secara positif terhadap kemampuan memecahkan masalah matematis siswa berpengetahuan awal rendah kelas VIII di SMP Negeri 2 Gerokgak.

Kata Kunci : pemecahan masalah matematis siswa, *Guided Discovery Learning,* matematika, pengetahuan awal rendah

THE INFLUENCE OF THE GUIDED DISCOVERY LEARNING MODEL ASSISTED BY QUIZIZZ ON THE MATHEMATICAL PROBLEM SOLVING ABILITY OF GRADE VIII STUDENTS WITH LOW INITIAL KNOWLEDGE

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ABSTRACT

This study began with the gap in the influence of the guided discovery learning model on the ability to solve mathematical problems for students with low initial knowledge and students with medium-high initial knowledge. This is caused by cognitive limitations, the need for clear direction, misunderstandings, lack of independence, loss of motivation and time constraints. This study aims to test the effect of the guided discovery learning model assisted by quizizz on students' mathematical problem solving abilities. This study is included in the true experiment using the post-test only control group design. The population was 63 students of grade VIII with low initial knowledge. The sample was determined using the simple random sampling technique and two classes were formed as research classes. Data analysis used the one-way independent T-test (sig 0.05). Based on the results of the research analysis, a significance value of 0.00 <0.05 was obtained. This value means that the problem solving ability of students who take learning activities with the guided discovery learning approach assisted by quizizz is superior to students who take learning activities conventionally. Thus, the guided discovery learning model based on quizizz has a positive impact on the mathematical problem solving ability of students with low initial knowledge of grade VIII at SMP Negeri 2 Gerokgak.

Keywords: students' mathematical problem solving, Guided Discovery Learning, mathematics, low prior knowledge