

## ABSTRAK

**DELIMA SIMANJUNTAK. Perbedaan Peningkatan Kemampuan Pemecahan Masalah Matematis dan Kemandirian Belajar Siswa dengan Menggunakan Model Penemuan Terbimbing dan Model Pembelajaran Langsung.** Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2019.

Penelitian ini bertujuan untuk menganalisis: (1) Apakah terdapat perbedaan peningkatan kemampuan pemecahan masalah matematis siswa yang diberi model pembelajaran penemuan terbimbing dengan siswa yang diberi pembelajaran langsung, (2) Apakah terdapat perbedaan peningkatan kemandirian belajar siswa yang diberi model pembelajaran penemuan terbimbing dengan siswa yang diberi pembelajaran langsung, (3) Proses penyelesaian jawaban tes kemampuan pemecahan masalah matematis siswa yang diberi model pembelajaran penemuan terbimbing dengan siswa yang diberi model pembelajaran langsung. Penelitian ini merupakan penelitian eksperimen semu. Populasi penelitian ini adalah siswa kelas VII SMP Negeri 2 Kutalimbaru. Sampel penelitian diambil secara acak sehingga diperoleh dua kelas sampel. Kelas eksperimen mendapat model pembelajaran penemuan terbimbing dan kelas kontrol mendapat model pembelajaran langsung. Instrumen yang digunakan terdiri dari tes kemampuan pemecahan masalah matematis dan angket kemandirian belajar. Analisis data dilakukan dengan analisis kovarian (ANAKOVA) dan *N-Gain*. Hasil penelitian menunjukkan bahwa (1) Terdapat perbedaan peningkatan kemampuan pemecahan masalah matematis siswa yang diberi model pembelajaran penemuan terbimbing dengan siswa yang diberi pembelajaran langsung, (2) Terdapat perbedaan peningkatan kemandirian belajar siswa yang diberi model pembelajaran penemuan terbimbing dengan siswa yang diberi pembelajaran langsung, (3) Proses penyelesaian jawaban siswa kelas model pembelajaran penemuan terbimbing lebih baik dibandingkan kelas model pembelajaran langsung. Berdasarkan hasil penelitian, maka peneliti menyarankan model penemuan terbimbing pada pembelajaran matematika dapat dijadikan sebagai salah satu alternatif dalam pembelajaran matematika yang inovatif.



## ABSTRACT

**DELIMA SIMANJUNTAK. The Differences of the Improvement Mathematical Problem Solving Ability and Self-Regulated Learning between Students Who were Got Guided Discovery Learning with The Students Who were Got Direct Instruction.** A Thesis. Medan: Post Graduate Program, State University of Medan, 2019.

The aims of this research to analyze about: (1) The differences of the improvement mathematical problem solving ability between students who were got guided discovery learning with the students who were got direct instruction, (2) The differences of the improvement self-regulated learning between students who were got guided discovery learning with the students who were got direct instruction, (3) Description of answer process in problem solving ability who were got guided discovery learning and who were got direct instruction. This research is a quasi experiment. Population is students of SMPN 2 Kutalimbaru. Sample was taken by using simple random sampling so that two classes were obtained. The experimental class is treated with guided discovery learning and the control class is treated with direct instruction. The instrument used consist of a test of problem solving ability and self-regulated questionnaire. Data were analyzed by using analysis of covariance (ANCOVA) and N-Gain. The results of study show that (1) There is difference of this improvement mathematical problem solving ability between students who were got guided discovery learning with the students who were got direct instruction, (2) There is difference of the improvement self-regulated learning between students who were got guided discovery learning with the students who were got direct instruction, (3) The process of student's answers in problem solving ability test were got guided discovery learning are better than who were got direct instruction. Based on this research, the researcher suggests that the guided discovery learning can be used as an alternative in innovative mathematics learning.

