ABSTRAK

Skripsi dengan judul **"Pengaruh Model Pembelajaran POGIL *(Process Oriented Guided Inquiry Learning)* Berbantuan *Mind Mapping* Terhadap Pemahaman Konsep Matematika Siswa Kelas VII Di MTsN 5 Tulungagung"** ini ditulis oleh Novelia Utami, NIM. 12204173265, Jurusan Tadris Matematika, Fakultas Tarbiyah dan Ilmu Keguruan, UIN Sayyid Ali Rahmatullah Tulungagung, dibimbing oleh Dra Hj. Umy Zahroh, M.Kes., Ph.D.

Kata Kunci: POGIL, *Process Oriented Guided Inquiry Learning*, *Mind Mapping*, Pemahaman Konsep.

Matematika adalah pelajaran yang sulit dipahami oleh siswa dilihat dari rendahnya pemahaman konsep matematika dikarenakan kurangnya antusiasme siswa untuk menyimak dan memperhatikan pelajaran. Oleh karena itu diperlukan model pemebelajaran yang mampu meningkatkan keaktifan dan keterlibatan siswa dalam pembelajaran. Model pembelajaran POGIL *(Process Oriented Guided Inquiry Learning)* merupakan model yang dirancang untuk memotivasi siswa dalam mempelajari materi pelajaran sebaik mungkin dan memberi tanggung jawab yang besar pada siswa untuk belajar secara kelompok sehingga dapat membina rasa saling menghargai antara siswa yang saling bekerja sama.

Penelitian ini bertujuan (1) Untuk mengetahui pengaruh model pembelajaran POGIL *(Process Oriented Guided Inquiry Learning)* Berbantu *Mind Mapping* Terhadap Pemahaman Konsep Matematika Siswa Kelas VII Di MTsN 5 Tulungagung. (2) Untuk mengetahui seberapa besar pengaruh dari model pembelajaran POGIL *(Process Oriented Guided Inquiry Learning)* Berbantu *Mind Mapping* Terhadap Pemahaman Konsep Matematika Siswa Kelas VII Di MTsN 5 Tulungagung.

Penelitian ini menggunakan pendekatan kuantitatif dengan jenis penelitian *quasi experiment* tipe *post-test only control group design.* Populasi pada penelitian ini siswa kelas VII MTsN 5 Tulungagung. Dalam mengambil sampel digunakan teknik *simple random sampling.* Sampel pada penelitian ini adalah kelas VII C dan VII D. Teknik yang digunakan dalam pengambilan data yaitu tes dan dokumentasi.

Hasil penelitian menunjukkan bahwa (1) Ada pengaruh model pembelajaran POGIL *(Process Oriented Guided Inquiry Learning)* berbantuan *Mind Mapping* terhadap pemahaman konsep matematika siswa kelas VII MTsn 5 Tulungagung yang signifikan, pada taraf signifikansi 0,007. (2) Besar pengaruh model pembelajaran POGIL *(Process Oriented Guided Inquiry Learning)* berbantuan *Mind Mapping* terhadap pemahaman konsep matematika siswa kelas VII MTsn 5 Tulungagung adalah 0,31.

ABSTRACT

The thesis titled **"The Influence of the POGIL (Process Oriented Guided Inquiry Learning) Teaching Model Assisted by Mind Mapping on the Understanding of Mathematical Concepts of Grade VII Students at MTsN 5 Tulungagung"** is written by Novelia Utami, Student ID 12204173265, from the Mathematics Education Department, Faculty of Education and Teacher Training, UIN Sayyid Ali Rahmatullah Tulungagung, supervised by Dra Hj. Umy Zahroh, M.Kes., Ph.D.

Keywords: POGIL, Process Oriented Guided Inquiry Learning, Mind Mapping, Concept Understanding.

Mathematics is a subject that is difficult for students to understand, as seen from the low comprehension of mathematical concepts due to the lack of student enthusiasm to pay attention to and focus on lessons. Therefore, a learning model that can enhance student activity and involvement in learning is needed. The POGIL (Process Oriented Guided Inquiry Learning) model is designed to motivate students to learn the subject matter as well as possible and to give students great responsibility to learn in groups, thereby fostering mutual respect among students who cooperate.

This study aims (1) To determine the effect of the POGIL (Process Oriented Guided Inquiry Learning) Model Assisted by Mind Mapping on the Understanding of Mathematical Concepts of Seventh Grade Students at MTsN 5 Tulungagung. (2) To determine the extent of the influence of the POGIL (Process Oriented Guided Inquiry Learning) Model Assisted by Mind Mapping on the Understanding of Mathematical Concepts of Seventh Grade Students at MTsN 5 Tulungagung.

This study uses a quantitative approach with a quasi-experimental type of post-test only control group design. The population in this study is the seventh-grade students of MTsN 5 Tulungagung. The sampling technique used is simple random sampling. The samples in this study are classes VII C and VII D. The data collection techniques used are tests and documentation.

The research results show that (1) There is a significant influence of the POGIL (Process Oriented Guided Inquiry Learning) learning model assisted by Mind Mapping on the mathematical concept understanding of seventh-grade students at MTsN 5 Tulungagung, with a significance level of 0.007. (2) The magnitude of the influence of the POGIL (Process Oriented Guided Inquiry Learning) learning model assisted by Mind Mapping on the mathematical concept understanding of seventh-grade students at MTsN 5 Tulungagung is 0.31.