

ABSTRAK

Jemi Putria Efil, (2018). Pengaruh Peta Konsep Berbantuan *Microsoft Visio* Terintegrasi Pembelajaran Kooperatif Terhadap Kemampuan Pemahaman Konsep Matematis Dan Kecerdasan Emosional Siswa Sekolah Menengah Pertama. Tesis Program Studi Pendidikan Matematika Pascasarjana Universitas Negeri Medan, 2018.

Tujuan penelitian ini adalah untuk menyelidiki pengaruh model pembelajaran peta konsep berbantuan *Microsoft Visio* terintegrasi pembelajaran kooperatif terhadap kemampuan pemahaman konsep matematis dan kecerdasan emosional siswa. Penelitian ini dilaksanakan di SMP Al-Ulum Medan terhadap 69 siswa. Penelitian ini merupakan suatu studi eksperimen semu dengan desain penelitian *pre-test-post-test control group design*. Populasi dalam penelitian ini adalah seluruh siswa kelas VIII (delapan) dengan mengambil sampel dua kelas (kelas eksperimen dan kelas kontrol) melalui teknik random sampling. Data penelitian diperoleh melalui tes PAM, tes kemampuan pemahaman konsep matematis, dan angket kecerdasan emosional siswa. Data dianalisis dengan uji ANAVA dua jalur. Sebelum digunakan uji ANAVA dua jalur terlebih dahulu dilakukan uji normalitas dan uji homogenitas terhadap data kemampuan pemahaman konsep matematis dan data angket kecerdasan emosional siswa dengan taraf signifikan 5%. Hasil analisis data menunjukkan bahwa: (1) Terdapat pengaruh model pembelajaran peta konsep berbantuan *Microsoft Visio* terintegrasi pembelajaran kooperatif terhadap kemampuan pemahaman konsep matematis siswa SMP. (2) Terdapat pengaruh model pembelajaran peta konsep berbantuan *Microsoft Visio* terintegrasi pembelajaran kooperatif terhadap kecerdasan emosional siswa SMP. (3) Tidak terdapat interaksi antara model pembelajaran dan PAM siswa dalam mempengaruhi kemampuan pemahaman konsep matematis siswa SMP. (4) Tidak terdapat interaksi antara model pembelajaran dan pengetahuan awal matematika siswa dalam mempengaruhi kecerdasan emosional siswa SMP. Temuan penelitian merekomendasikan bahwa model pembelajaran peta konsep berbantuan *Microsoft Visio* terintegrasi pembelajaran kooperatif dapat digunakan di kelas untuk mencapai pemahaman konsep matematis dan kecerdasan emosional siswa.

Kata Kunci: Model Pembelajaran Peta Konsep Berbantuan *Microsoft Visio* Terintegrasi Pembelajaran Kooperatif, Pemahaman Konsep, Kecerdasan Emosional.

ABSTRACT

Jemi Putria Efil, (2018). The Effect of Concept Mapping and Microsoft Visio Assisted Cooperative Learning Model Towards Mathematical Concepts Understanding and Emotional Intelligence of Junior High School Students. The Thesis of Graduate Mathematics Education Study Program State University of Medan, 2018.

The objectives of this research is to investigate the influence of the effect of concept mapping and Microsoft visio assisted cooperative learning model towards mathematical concepts understanding and emotional intelligence of junior high school students. This research was carried out at the SMP Al-Ulum Medan 69 students. This research is an experimental with pre-test-post test control group design. The population in this study were all 8th grade students and the samples consist of two classes (experimental class and control class) through random sampling technique. The research data obtained through PAM test, mathematical concept ability comprehension test, and questionnaire of students emotional intelligence. Data were analyzed by two way ANAVA test. Prior to the use of the two way ANAVA test, normality and homogeneity tests were performed on the data of mathematical concepts and the students emotional intelligence questionnaire with a significancy level of 5%. The result of the data analysis shows that: (1) There is influence of learning model of concept map assisted by Microsoft Visio integrated cooperative learning to mathematical concept comprehension ability of junior high school student. (2) There is influence of learning model of concept map assisted by Microsoft Visio integrated cooperative learning to emotional intelligence of junior high school student. (3) There is no interaction between learning model and prior mathematical knowledge of the students in influencing the understanding mathematical concept ability of junior high school student. (4) There is no interaction between learning model and prior mathematical knowledge of the students in influencing emotional intelligence of junior high school student. The research findings suggest that the conceptualized learning model of Microsoft Visio conceptualized map of cooperative learning can be used in class to achieve understanding of mathematical concepts and emotional intelligence of the students.

Keywords: Mathematical Concepts Understanding Ability, Emotional Intelligence, Cooperative Learning assisted Concept Mapping and Microsoft Visio.