

## ABSTRAK

**Ndruru, Jenni Indah Mitra. 2025. *Pengaruh Model Pembelajaran Self-Directed Learning Terhadap Kemampuan Berpikir Kreatif Matematis Siswa di UPTD SMP Negeri 7 Gunungsitoli*. Skripsi. Pembimbing Ratna Natalia Mendrofa, S.Pd.,M.Pd.**

Penelitian ini dilatarbelakangi oleh hasil studi pendahuluan di UPTD SMP Negeri 7 Gunungsitoli yang menunjukkan bahwa pembelajaran matematika masih menggunakan model konvensional dan kemampuan berpikir kreatif matematis siswa masih tergolong kurang. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Self-directed Learning* terhadap kemampuan berpikir kreatif matematis siswa. Metode yang digunakan adalah kuantitatif dengan pendekatan kuasi eksperimen dan desain *pretest-posttest control group*. Populasi penelitian adalah seluruh siswa kelas VIII, dengan sampel dua kelas yang diambil secara *simple random sampling*, yaitu kelas VIII-B (23 siswa) sebagai kelompok eksperimen dan VIII-A (24 siswa) sebagai kelompok kontrol. Instrumen penelitian berupa tes esai yang mengukur kemampuan berpikir kreatif matematis. Hasil uji hipotesis satu pihak menunjukkan bahwa nilai  $t_{hitung}$  sebesar 5,118 lebih besar dari  $t_{tabel}$  sebesar 1,682, sehingga  $H_0$  ditolak dan  $H_a$  diterima. Dengan demikian, terdapat pengaruh model pembelajaran *Self-Directed Learning* terhadap kemampuan berpikir kreatif matematis siswa..

**Kata Kunci: Model Pembelajaran *Self-Directed Learning*, Kemampuan Berpikir Kreatif Matematis**

## ABSTRAK

**Ndruru, Jenni Indah Mitra. 2025. *The Effect of the Self-Directed Learning Model on Students' Mathematical Creative Thinking Ability at UPTD SMP Negeri 7 Gunungsitoli*. Undergraduate Thesis. Advisor Ratna Natalia Mendrofa, S.Pd., M.Pd.**

*This research was motivated by a preliminary study conducted at UPTD SMP Negeri 7 Gunungsitoli, which revealed that mathematics learning still employed conventional teaching models and that students' mathematical creative thinking skills were still relatively low. The aim of this study was to determine the effect of the Self-Directed Learning model on students' mathematical creative thinking abilities. The research method used was quantitative with a quasi-experimental approach and a pretest-posttest control group design. The population of the study was all eighth-grade students, with two classes selected through simple random sampling: class VIII-B (23 students) as the experimental group and class VIII-A (24 students) as the control group. The research instrument was an essay test designed to assess students' mathematical creative thinking skills. The results of the one-tailed hypothesis test showed that the calculated t-value was 5.118, which was greater than the t-table value of 1.682. Therefore, the null hypothesis ( $H_0$ ) was rejected, and the alternative hypothesis ( $H_a$ ) was accepted. Thus, it can be concluded that the Self-Directed Learning model has a significant effect on students' mathematical creative thinking abilities.*

**Keywords:** *Self-Directed Learning Model, Mathematical Creative Thinking Ability*