

ABSTRAK

Rahmawati, Shindy. 2026. Penerapan Model *Think Talk Write* Berbantuan *Digital Mind Mapping* dengan Konteks Kemaritiman dalam Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa. Skripsi. Tanjungpinang: Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Dr. Nur Izzati, S.Pd., M.Si. Pembimbing II: Mirta Fera, S.Pd., M.Sc.

Kata Kunci: *Think Talk Write*, *Digital Mind Mapping*, Konteks Kemaritiman, Kemampuan Pemecahan Masalah Matematis

Penelitian ini bertujuan untuk mengetahui apakah penerapan model *Think Talk Write* berbantuan *Digital Mind Mapping* dengan konteks kemaritiman dapat meningkatkan kemampuan pemecahan masalah matematis siswa. Jenis penelitian ini adalah kuasi eksperimen dengan desain *Non-equivalent Control Group Design*. Populasi pada penelitian ini adalah seluruh siswa kelas X SMAN 7 Tanjungpinang yang terdiri dari lima kelas, yaitu kelas X.1 hingga X.5. Sampel diambil melalui teknik cluster sampling, sehingga didapatkan dua kelas sampel yaitu kelas X.3 sebagai kelas eksperimen dan X.5 sebagai kelas kontrol. Pengumpulan data dilakukan dengan menggunakan instrumen tes berupa soal uraian untuk mengukur kemampuan pemecahan masalah matematis siswa dan lembar observasi keterlaksanaan pembelajaran. Data dianalisis menggunakan N-Gain dan uji statistik *Mann-Whitney U* karena data tidak berdistribusi normal. Hasil uji *Mann-Whitney U* diperoleh nilai *Asymp. Sig. (1-tailed)* $p = 0,002$, dan diketahui $0,002 < 0,05$, sehingga terdapat perbedaan peningkatan kemampuan pemecahan masalah matematis yang signifikan antara kedua kelas.

ABSTRACT

Rahmawati, Shindy. 2026. Implementation of Think Talk Write Model Assisted by Digital Mind Mapping with Maritime Context in Improving Students' Mathematical Problem Solving Ability. Thesis. Tanjungpinang: Mathematics Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Supervisor I: Dr. Nur Izzati, S.Pd., M.Si. Supervisor II: Mirta Fera, S.Pd., M.Sc.

Keywords: *Think Talk Write, Digital Mind Mapping, Maritime Context, Mathematical Problem Solving Ability*

This study aims to determine whether the application of the Think Talk Write model assisted by Digital Mind Mapping with a maritime context can improve students' mathematical problem solving abilities. This type of research is a quasi-experimental with a Non-equivalent Control Group Design. The population in this study were all students of grade X of SMAN 7 Tanjungpinang consisting of five classes, namely classes X.1 to X.5. The sample was taken through a cluster sampling technique, resulting in two sample classes, namely class X.3 as the experimental class and X.5 as the control class. Data collection was carried out using a test instrument in the form of essay questions to measure students' mathematical problem-solving abilities and an observation sheet for the implementation of learning. Data were analyzed using N-Gain and Mann-Whitney U statistical tests because the data were not normally distributed. The results of the Mann-Whitney U test obtained an Asymp. Sig. (1-tailed) $p = 0.002$, and it is known that $0.002 < 0.05$, so there is a significant difference in the increase in mathematical problem solving abilities between the two classes.