

Fitrotin Nufus. 2024. Penerapan *Think Talk Write* Terhadap Kemampuan Berpikir Kritis Siswa pada Materi Bumi dan Tata Surya. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Try Hartiningsih, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan mengetahui adanya perbedaan kemampuan berpikir kritis siswa materi bumi dan tata surya kelas eksperimen dengan kelas kontrol. Metode yang digunakan yakni *Quasi Experiment* dengan desain penelitian *Nonequivalent Control Group Design*. Penelitian dilaksanakan di SMP Al-Kholilayah Bangkalan Tahun Ajaran 2023/2024 dengan populasi seluruh siswa kelas VII. Sampel menggunakan kelas VII A sebagai kelas eksperimen, VII B sebagai kelas kontrol dengan teknik pemilihan sampel *purposive sampling*. Uji hipotesis yang digunakan yaitu uji t bebas dengan analisis peningkatan kemampuan berpikir kritis menggunakan uji *N-Gain Score*. Hasil penelitian menunjukkan: 1) Terdapat perbedaan kemampuan berpikir kritis siswa antara kelas eksperimen dan kontrol. 2) Peningkatan kemampuan berpikir kritis pada siswa kelas eksperimen dengan kategori sedang sebanyak 100% sedangkan kelas kontrol dengan kategori sedang 7,14% dan kategori rendah 85,71%. 3) Respon siswa terhadap penerapan *Think Talk Write* memiliki nilai rata-rata 82,03% kategori sangat baik. 4) Keterlaksanaan pembelajaran dengan menerapkan *TTW* memiliki rata-rata 97,77% kategori sangat baik.

Kata Kunci: Bumi dan tata surya, Kemampuan berpikir kritis, *Think Talk Write*.

Fitrotin Nufus. 2024. *Application of Think Talk Write to Students' Critical Thinking Abilities on Earth and Solar System Material*. Thesis, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. Supervisor: Try Hartiningsih, S.Pd., M.Pd.

ABSTRACT

This research aims to determine the differences in students' critical thinking abilities regarding the earth and solar system in the experimental class and the control class. The method used is Quasi Experiment with a Nonequivalent Control Group Design research design. The research was carried out at Al-Kholilayah Bangkalan Middle School for the 2023/2024 academic year with a population of all class VII students and the sample used class VII A as the experimental class, VII B as the control class with a purposive sampling technique. The hypothesis test used is the independent t test with analysis of increasing critical thinking skills used the N-Gain Score test. The research results showed: 1) There are differences in students' critical thinking abilities between the experimental and control classes. 2) The increase in critical thinking skills in the experimental class students in the medium category was 100%, while the control class in the medium category was 7,14% and the low category was 85,71%.3) Student responses to the application of the Think Talk Write had an average score of 82,03% in the very good category. 4) The implementation of learning by applying the TTW has an average of 97,77% in the very good category.

Keywords: *Earth and Solar System, Critical Thinking Skills, Think Talk Write.*