

ABSTRAK

Dewi Sekar Ningrum, NIM 4193141026. Efektivitas Model Pembelajaran *Think Talk Write (TTW)* Terhadap Keterampilan Komunikasi Ilmiah Siswa Pada Materi Ekosistem Kelas X Di MA Swasta Al-Wardah.

Model pembelajaran memegang peranan penting dalam meningkatkan keterampilan komunikasi siswa. Penelitian ini bertujuan untuk mengetahui tingkat efektivitas model pembelajaran *Think Talk Write* terhadap keterampilan komunikasi ilmiah siswa pada materi ekosistem di kelas X MA Swasta Al-Wardah. Jenis penelitian ini adalah penelitian deskriptif dengan menggunakan desain berbentuk *one group pretest-posttest design*. Data yang dikumpulkan dalam penelitian ini adalah data sikap keterampilan komunikasi ilmiah dan keterampilan komunikasi ilmiah secara tertulis yang dikonstruksi berdasarkan enam indikator keterampilan komunikasi ilmiah, yakni *information retrieval*, *scientific reading*, *listening and observing*, *scientific writing*, *information representation*, dan *knowledge presentation*. Data sikap keterampilan komunikasi ilmiah dikumpulkan dengan metode observasi dan data keterampilan komunikasi ilmiah siswa secara tertulis dikumpulkan menggunakan metode tes. Hasil penelitian menunjukkan bahwa sikap keterampilan komunikasi ilmiah siswa meningkat di kelima indikator selain *information representation* dengan rata-rata aktivitas di pertemuan pertama sebesar 17,067 dan di pertemuan akhir menjadi 42,7 (sangat kurang) dengan faktor gain sebesar 0,31 dan berkategori sedang. Sedangkan pada keterampilan komunikasi ilmiah siswa secara tertulis, terdapat peningkatan pada keenam indikator dengan rata-rata aktivitas di pertemuan pertama sebesar 15,77 dan di pertemuan akhir menjadi 48,9 (rendah) dengan gain sebesar 0,4 yang berkategori sedang. Berdasarkan hasil tersebut dapat disimpulkan bahwa model pembelajaran *Think Talk Write* masih kurang efektif terhadap peningkatan keterampilan komunikasi ilmiah siswa.

Kata kunci: Keterampilan Komunikasi Ilmiah, Model Pembelajaran, *Think Talk Write*.



ABSTRACT

Dewi Sekar Ningrum, NIM 4193141026. The Effectiveness of the *Think Talk Write (TTW)* Learning Model on Students' Scientific Communication Skills in Class X Ecosystem Material at MAS Al-Wardah.

Learning model plays a crucial role in improving students' communication skills. This research aims to determine the level of effectiveness of the *Think Talk Write* learning model on students' scientific communication skills on ecosystem material in class X MAS Al-Wardah. This type of research is descriptive research using a one group pretest-posttest design. The data collected in this research is attitude data on scientific communication skills and written scientific communication skills which are constructed based on six indicators of scientific communication skills, namely information retrieval, scientific reading, listening and observing, scientific writing, information representation, and knowledge presentation. Attitude data on scientific communication skills were collected using the observation method and data on students' written scientific communication skills were collected using the test method. The results of the research showed that students' scientific communication skills attitudes increased in the five indicators other than information representation with an average activity at the first meeting of 17.067 and at the final meeting being 42.7 (very poor) with a gain factor of 0.31 and in the medium category. Meanwhile, in students' written scientific communication skills, there was an increase in the six indicators with an average activity at the first meeting of 15.77 and at the final meeting being 48.9 (low) with a gain of 0.4 which was in the medium category. Based on these results, it can be concluded that the *Think Talk Write* learning model is still less effective in improving students' scientific communication skills.

Keywords: Learning Model, Scientific Communication Skills, *Think Talk Write*.

