

Towilatul Hasanah. 2020. Penerapan MPSBE untuk Melatihkan Kemampuan Literasi Sains dan Sikap Peduli Lingkungan Siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Ana Yuniasti Retno Wulandari dan Pembimbing 2: Mochammad Yasir.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan kemampuan literasi sains, sikap peduli lingkungan siswa, keterlaksanaan pembelajaran, dan angket respon siswa setelah penerapan MPSBE. Jenis penelitian ini adalah jenis penelitian *Pre Experimental Design* dengan desain *One Group Pretest-Posttest*. Waktu penelitian dilaksanakan pada semester genap tahun ajaran 2019/2020. Populasi penelitian adalah semua siswa kelas VII UPTD SMPN 2 Sreseh. Sampel diambil dengan teknik *Purposive Sampling*. Sampel yang digunakan adalah kelas VII-B sebanyak 22 siswa. Teknik analisis data menggunakan statistik deskriptif dan uji t sampel berpasangan. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Ada perbedaan kemampuan literasi sains siswa sebelum dan sesudah pembelajaran menggunakan MPSBE. (2) Pada angket *self assessment* sikap peduli lingkungan indikator membuang sampah pada tempatnya dan memberikan ide pemanfaatan sampah dalam diskusi menyatakan ada perbedaan sikap peduli lingkungan siswa sebelum dan sesudah pembelajaran menggunakan MPSBE. Sedangkan indikator memperindah kelas dan ikut memelihara lingkungan sekolah menyatakan tidak ada perbedaan sikap peduli lingkungan siswa sebelum dan sesudah pembelajaran menggunakan MPSBE (3) Pada angket *peer assessment* sikap peduli lingkungan keempat indikator menyatakan tidak ada perbedaan sikap peduli lingkungan siswa sebelum dan sesudah pembelajaran menggunakan MPSBE. (4) Rata-rata keterlaksanaan pembelajaran sebesar 98% dengan kriteria sangat baik. (5) Rata-rata angket respon siswa sebesar 71% dengan kriteria baik.

Kata kunci: Kemampuan Literasi Sains, MPSBE, Sikap Peduli Lingkungan

Towilatul Hasanah. 2020. Application of MPSBE to Practice Science Literacy Ability and Attitudes to care for the Student's. Environment. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University Madura. Advisor 1: Ana Yuniasti Retno wulandari and advisor 2: Mochammad Yasir.

ABSTRACT

This study aims to determine differences in the ability of scientific literacy, attitudes to care about students' environment, the implementation of learning, and student questionnaire responses after the application of MPSBE. This type of research is a type of Pre Experimental Design research with One Group Pretest-Posttest design. When the research was conducted in the even semester of the 2019/2020 school year. The study population was all VII grade students of SMPN 2 Sreseh UPTD. Samples were taken by purposive sampling technique. The sample used was class VII-B of 22 students. Data analysis techniques used descriptive statistics and paired sample t test. Based on the results of the study it can be concluded that: (1) There is a difference in students' literacy abilities before and after learning using MPSBE. (2) On the questionnaire self assessment attitude of caring environment indicator throw rubbish in place and give the idea of the utilization rubbish in discussion explain there is a difference students' environmental care attitudes before and after learning using MPSBE. But indicator beautification class and take care of the surrounding environment explain there is no difference the students' environmental care attitudes before and after learning using MPSBE. (3) On the questionnaire peer assessment attitude of caring environment fourth indicator explain there is no difference the students' environmental care attitudes before and after learning using MPSBE. (4) The average level of learning is 98% with very good criteria. (5) The average student response questionnaire was 71% with good criteria.

Keywords: Science Literacy Ability, MPSBE, Attitudes to Care for the