

ABSTRAK

Safitradewi Ningkeula. 2024. Kemampuan Literasi Statistik Siswa SMA Pada Materi Statistik Melalui Model *Project Based Learning*. Penelitian di bawah bimbingan **Bapak Dr. Joko Suratno, S.Pd., M.Pd.Si. dan Ibu Dr. Marwia Tamrin Bakar, S.Pd, M.Pd.**

Penelitian ini bertujuan untuk menganalisis kemampuan literasi siswa kelas X-2 SMA Negeri 5 Kota Ternate pada materi ukuran pemusatan data melalui penerapan model pembelajaran berbasis proyek. Untuk mengetahui bahwa penerapan *Project based Learning* secara signifikan dapat meningkatkan kemampuan Literasi statistik siswa Kelas X pada materi ukuran pemusatan data

Jenis penelitian yang digunakan adalah metode penelitian quasi-eksperimen dengan penelitian pre-eksperimen design yang di desain menggunakan bentuk pre-eksperimen pretest-postes (pretest-postestgroup design) kepada satu kelompok siswa. Sampel penelitian ini adalah siswa kelas X-2 dengan jumlah 25 siswa sebagai kelas eksperimen. Teknik pengumpulan data pada penelitian ini dilakukan dengan menggunakan instrumen tes berupa soal uraian sebanyak 4 butir.

Hasil analisis deskriptif menunjukkan kemampuan literasi statistik siswa kelas X-2 SMA Negeri 5 Kota Ternate setelah diterapkan model *Project Based Learning* dengan rata-rata dalam kualifikasi tinggi. Terdapat 19 siswa (76%) dengan kemampuan literasi statistik dalam kualifikasi tinggi dan 6 siswa (24%) dalam kualifikasi sedang. Nilai rata-rata kemampuan literasi statistik siswa pada materi statistik dengan model *Project Based Learning* adalah 81,50 yang berkualifikasi tinggi. Nilai rata-rata kemampuan literasi statistik siswa setelah pembelajaran dengan model *Project Based Learning* adalah 81,51 yang berkualifikasi tinggi. Dengan demikian terdapat perbedaan kemampuan literasi statistik siswa setelah pembelajaran dengan model *Project Based Learning*. Selain itu berdasarkan hasil uji *n-gain* diperoleh sebesar 0,54 dalam interpretasi sedang, dengan demikian secara signifikan model *Project Based Learning* dapat meningkatkan kemampuan literasi statistik siswa.

Kata Kunci: *Kemampuan Literasi Matematis, Model Project Based Learning, dan Ukuran Pemusatan Data*

ABSTRACT

Safitradewi Ningkeula. 2024. High School Students' Statistical Literacy Ability in Statistical Material Through Models *Project Based Learning*. Research under guidance **Mr. Dr. Joko Suratno, S.Pd., M.Pd.Si. and Mrs. Dr. Marwia Tamrin Bakar, S.Pd, M.Pd.**

This research aims to analyze the literacy skills of class And to find out that the application of Project based Learning can significantly improve the statistical literacy abilities of Class

The type of research used is a quasi-experimental research method with pre-experimental design research which is designed using a pre-test-post test pre-experiment form (pretest-posttest group design) for one group of students. The sample for this research was class X-2 students with a total of 25 students as an experimental class. The data collection technique in this research was carried out using a test instrument in the form of 4 numbered description questions.

The results of the descriptive analysis show the statistical literacy abilities of class X-2 students at SMA Negeri 5 Ternate City after applying the model Project Based Learning with an average in high qualifications. There were 19 students (76%) with statistical literacy skills in high qualifications and 6 students (24%) in medium qualifications. The average value of students' statistical literacy skills in statistical material with models Project Based Learning is 81.50 which is highly qualified. The average value of students' statistical literacy abilities after learning with the model Project Based Learning is 81.51 which is high qualification. Thus, there are differences in students' statistical literacy abilities after learning with the model Project Based Learning. Apart from that, based on the results of the n-gain test, it was found to be 0.54 in the moderate interpretation, thus the model is significant Project Based Learning can improve students' statistical literacy skills.

Keywords: *Mathematical Literacy Ability, Project Based Learning Model, and Data Concentration Measures*