

Faridatul Fitriyah. 2019. *Pengaruh Model Pembelajaran Predict-Observe-Explain (POE) terhadap Pemahaman Konsep dan Sikap Ilmiah Siswa pada Pembelajaran IPA Kelas III SDN Nyalabu Daja 2 Pamekasan*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing I: Andika Adinanda Siswoyo, S.Pd., M.Pd, Pembimbing II: Umi Hanik S.Pd., M.Pd.

## ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Predict-Observe-Explain (POE)* terhadap pemahaman konsep dan sikap ilmiah siswa pada pembelajaran IPA kelas III SDN Nyalabu Daja 2 Pamekasan. Penelitian ini merupakan penelitian kuantitatif dengan desain *Quasi Exsperimental Design*. Teknik pengambilan sampel yang digunakan adalah sampel jenuh. Teknik pengumpulan data yang digunakan adalah tes dan angket. Berdasarkan hasil uji hipotesis pemahaman konsep siswa menggunakan *uji-t dua sampel independent* untuk nilai *posttest* diperoleh  $t_{hitung} = 2,218 > t_{tabel} = 2,030$  maka  $H_0$  ditolak, artinya terdapat perbedaan pemahaman konsep siswa antara kelas eksperimen dan kelas kontrol. Sedangkan sikap ilmiah siswa berdasarkan *uji-t dua sampel independent* untuk nilai angket akhir diperoleh  $t_{hitung} = 2,795 > t_{tabel} = 2,030$  maka  $H_0$  ditolak, artinya terdapat perbedaan sikap ilmiah siswa antara kelas eksperimen dan kelas kontrol. Berdasarkan perbedaan hasil pemahaman konsep dan sikap ilmiah siswa pada kelas eksperimen dan kelas kontrol, maka dapat disimpulkan bahwa pembelajaran menggunakan model *Predict-Observe-Explain (POE)* berpengaruh terhadap pemahaman konsep dan sikap ilmiah siswa kelas III SDN Nyalabu Daja 2 Pamekasan.

**Kata Kunci:** *Model Pembelajaran Predict-Observe-Explain (POE), Pemahaman Konsep, Sikap Ilmiah Siswa.*

Faridatul Fitriyah. 2019. *The Influence of Predict-Observe-Explain (POE) Learning Model Towards Concepts Comprehension and Scientific Attitudes of Student in Natural Science Learning Class III Students of Nyalabu Daja 2 Elementary School Pamekasan*. Thesis Premary School Teacher Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor I: Andika Adinanda Siswoyo, S.Pd., M.Pd, Advisor II: Umi Hanik, S.Pd., M.Pd.

## ABSTRACT

This research was to determine the effect of *Predict-Observe-Explain (POE)* learning model Towards Comprehension of Concepts and scientific attitudes of students in Natural Science Learning Class III Students of SDN Nyalabu Daja 2 Pamekasan. This research was a quantitative research that used *Quasi Experimental Design*. The sampling technique was a saturated sample. Data collection techniques used were tests and questionnaires. Based on the results of hypothesis testing of concepts comprehension used the two independent t-test samples obtained  $t_{\text{count}} = 2,218 > t_{\text{table}} = 2.030$  then  $H_0$  was rejected, it meanted that there were differences in concepts comprehension between the experimental class and the control class. While the scientific attitude of students based on the t-test of two independent samples obtained  $t_{\text{count}} = 2.795 > t_{\text{table}} = 2.030$  so  $H_0$  was rejected, it meanted that there were differences in students' scientific attitudes between the experimental class and the control class. Based on the results, the differences of concepts comprehension and scientific attitudes of students, it could be concluded that learning using the *Predict-Observe-Explain (POE)* learning model could influence student's concepts comprehension and students' scientific attitude of the third grade of Nyalabu Daja 2 Elementary School.

**Keywords:** *Predict-Observe-Explain (POE) Learning Model, concepts comprehension, Student Scientific Attitudes.*