ABSTRACT

The level of education in Indonesia is in the lower class, this is partly due to the low level of high-level thinking skills. The lack of ability to think at a higher level means that student involvement does not dominate, instead the teacher dominates learning. The problem raised in this research is whether there is an influence of the Predict Observe Explain (POE) learning model on the high-level thinking skills of Class XI students on animal tissue material. This research uses a quasi-experimental method in the form of Nonequivalent Control Group Design. A sample of 72 people was drawn using purposive sampling from nonprobability sampling. Hypothesis testing uses Independent Sample T to find out what the average comparison is between two unpaired samples. Based on data analysis, it was found that the Asymp value, sig 0.000 < 0.05, indicated that H_1 was accepted and H_0 was rejected. So it can be concluded that there is an influence of the Predict Observe Explain learning model on the high-level thinking skills of class XI high school students on animal tissue material.

Key words: POE model, higher order thinking skills, animal tissue material

ABSTRAK

Taraf pendidikan di Indonesia termasuk golongan bawah, hal ini salah satunya disebabkan rendahnya keterampilan berpikir tingkat tinggi. Kurangnya kemampuan dalam berpikir tingkat tinggi membuat keterlibatan peserta didik tidak mendominasi, justru guru yang mendominasi pembelajaran. Persoalan yang daingkat pada penelitian ini adalah apakah ada pengaruh model pembelajaran *Predict Observe Explain (POE)* terhadap keterampilan berpikir tingkat tinggi peserta didik Kelas XI pada materi jaringan hewan. Pada penelitian ini memakai metode *quasi eksperimen* berbentuk *Nonequivalent Control Group Design*. Sampel sebanyak 72 orang ditarik memakai *purposive sampling* dari *nonprobability sampling*. Pengujian ipotesis memakai *Independent Sample T* dalam mencari tahu apakah perbandingan rata-rata antara dua sampel yang tidak berpasangan. Berdasarkan analisis data didapati nilai *Asymp, sig* $0,000 < 0,05$ yang menunjukkan H_1 diterima dan H_0 ditolak. Sehingga dapat disimpulkan bahwa ada pengaruh model pembelajaran *Predict Obsevre Explain* terhadap keterampilan berpikir tingkat tinggi peserta didik kelas XI SMA pada materi jaringan hewan.

Kata kunci: model POE, keterampilan berpikir tingkat tinggi, materi jaringan hewan