

ABSTRAK

Rahma Aulya (1202060074) “Pengaruh Model Pembelajaran *Guided Inquiry* Berbantu Media Nearpod Terhadap Kemampuan Literasi Sains Siswa Pada Materi Sistem Saraf”

Kemampuan literasi sains merupakan salah satu kemampuan yang dibutuhkan pada abad 21. Namun kenyataannya, kemampuan literasi sains siswa masih tergolong rendah. Oleh karena itu, diperlukan suatu model pembelajaran interaktif yang dapat mengasah kemampuan literasi siswa dan membuat siswa memahami pelajaran dengan baik, khususnya pada materi sistem saraf. Tujuan dari penelitian ini ialah untuk menganalisis pengaruh model pembelajaran *guided inquiry* berbantu media nearpod terhadap kemampuan literasi sains siswa pada materi sistem saraf. Penelitian ini menggunakan metode *quasi experiment* dengan *non-equivalent control group design*. Sampel dipilih melalui teknik *purposive sampling*. Hasil penelitian menunjukkan bahwa keterlaksanaan pembelajaran pada kelas eksperimen diperoleh persentase sebesar 96% pada kinerja guru dan 88% pada aktivitas siswa, sedangkan pada kelas kontrol keterlaksanaan pembelajaran diperoleh persentase sebesar 86% pada kinerja guru dan 83% pada aktivitas siswa, keduanya berada dalam kategori “sangat baik”. Kemampuan literasi sains pada kelas eksperimen diperoleh dari nilai *posttest* sebesar 82,55 dengan peningkatan (N-gain) 0,71 (tinggi), sedangkan pada kelas kontrol nilai *posttest* diperoleh sebesar 78,82, dengan peningkatan (N-Gain) 0,65 (sedang). Berdasarkan hasil pengujian hipotesis (uji *Mann Whitney*) diperoleh nilai Sig. (2-tailed) $0,00 < 0,05$, maka H_0 ditolak dan H_1 diterima. Data tersebut diperkuat dengan perolehan nilai *effect size* sebesar 0,45 yang menunjukkan kategori sedang. Hasil respon siswa terhadap pembelajaran memperoleh kriteria baik dengan rata-rata sebesar 74% pada kelas eksperimen dan 66% pada kelas kontrol. Berdasarkan penelitian yang telah dilakukan, dapat disimpulkan bahwa model pembelajaran *guided inquiry* berbantu media nearpod berpengaruh positif terhadap kemampuan literasi sains siswa pada materi sistem saraf

Kata Kunci : *Guided Inquiry*, Kemampuan Literasi Sains, Nearpod, Sistem Saraf

ABSTRACT

Rahma Aulya (1202060074) *"The Influence of the Guided Inquiry Learning Model Assisted by Nearpod Media on Students' Scientific Literacy Abilities on Nervous System Material"*

Scientific literacy ability are one of the abilities needed in the 21st century. However, in reality, students' scientific literacy ability are still relatively low. Therefore, an interactive learning model is needed that can hone students' literacy skills and make students understand lessons well, especially regarding nervous system material. The aim of this research is to analyze the effect of the guided inquiry learning model assisted by nearpod media on students' scientific literacy abilities in nervous system material. This research uses a quasi-experimental method with non-equivalent control group design. The sample was selected using purposive sampling technique. The results of the research show that the percentage of learning implementation in the experimental class was 96% for teacher performance and 88% for student activities, while in the control class the learning implementation percentage was 86% for teacher performance and 83% for student activities, both of which were in the "category" Very good". The scientific literacy ability in the experimental class was obtained from a posttest score of 82.55 with an increase (N-gain) of 0.71 (high), while in the control class the posttest score was obtained at 78.82, with an increase (N-Gain) of 0.65 (currently). Based on the results of hypothesis testing (Mann Whitney test), the Sig value was obtained. (2-tailed) $0.00 < 0.05$, then H_0 is rejected and H_1 is accepted. This data is strengthened by the obtained effect size value of 0.45 which indicates the middle category. The results of student responses to learning obtained good criteria with an average of 74% in the experimental class and 66% in the control class. Based on the research that has been conducted, it can be concluded that the guided inquiry learning model assisted by nearpod media has a positive effect on students' scientific literacy abilities in nervous system material.

Keywords: *Guided Inquiry, Scientific Literacy Ability, Nearpod, Nervous System*