

Ninis Zeni Dwi Hermawanti. 2022. *Penerapan Model Guided Inquiry Berbantuan Tutor Sebaya terhadap Kemampuan Literasi Sains Siswa*. Skripsi. Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Irsad Rosidi.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kemampuan literasi sains siswa antara kelas eksperimen dan kelas kontrol setelah diterapkan model pembelajaran *guided inquiry* berbantuan tutor sebaya di SMP Al Kholiliyah Bangkalan pada materi pemanasan global. Penelitian menggunakan metode *quasi experimental* dengan desain *non-equivalent control group design*. Populasi penelitian yaitu siswa kelas VII dan sampel yang digunakan kelas VII A dan Kelas VII B. Pengambilan sampel menggunakan teknik *purposive sampling*. Pengumpulan data melalui tes kemampuan literasi sains dan penyebaran angket diakhir penelitian. Hasil penelitian dapat disimpulkan bahwa: 1) pada tes kemampuan literasi sains diperoleh nilai signifikansi sebesar $0.002 < 0.05$ sehingga H_0 ditolak maka ada perbedaan kemampuan literasi sains antara kelas eksperimen dan kelas kontrol, 2) kemampuan literasi sains kelas eksperimen lebih baik daripada kelas kontrol yaitu $73.06 > 60.10$, 3) keterlaksanaan pembelajaran dengan menerapkan model *guided inquiry* berada pada kategori sangat baik dengan nilai 98.00%, 4) respon siswa terhadap penerapan model *guided inquiry* berbantuan tutor sebaya diperoleh nilai tertinggi sebesar 70.00% dengan kriteria positif.

Kata kunci: kemampuan literasi sains, model pembelajaran *guided inquiry*, tutor sebaya

Ninis Zeni Dwi Hermawanti. 2022. *The Implementation of the Guided Inquiry Model Assisted by Peer Tutors on Students' Scientific Literacy Ability*. Thesis, Natural Science Education, Education Faculty, University of Trunojoyo Madura. Advisor: Irsad Rosidi.

ABSTRACT

The aims of research to know the determine scientitif literacy skills between the experimental class and control class after the implementation of guided inquiry learning model assisted by peer tutors at SMP Al Kholiliyah Bangkalan on global warming material. The research used a quasi experimental method with a non-equivalent control group design. The samples used are class VII A and VII B. Sampling using purposive sampling technique. The technique of collecting data used scientific literacy test and questionnaires at the end of the study. The result of the research can be conclude that: 1) The scientific literacy ability test obtained a significance value of $0.002 < 0.05$ so that H_0 is rejected, there were difference in scientitif literacy ability between the experimental class and the control class, 2) The experimental class scientitif literacy ability is better than the control class, which is $73.06 > 60.10$, 3) The implementation of learning used the guided inquiry model was very well implemented with an average value of 98.00%, 4) Student responses to the implementation used guided inquiry model assisted by peer tutors obtained the highest score of 70.00% with positive criteria.

Keyword: scientitif literacy ability, guided inquiry learning model, peer tutor