

Anis Sholikha Jaya. 2025. *Penerapan Model TGT Berbantuan Card Sort Konteks TOGA untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Mochammad Yasir.

ABSTRAK

Berdasarkan hasil pra-penelitian yang dilakukan, kemampuan literasi sains siswa masih tergolong rendah karena pembelajaran cenderung berpusat pada guru. Tujuan penelitian ini untuk mengetahui pengaruh, peningkatan literasi sains siswa aspek kompetensi, keterlaksanaan pembelajaran, serta respons siswa terhadap penerapan model TGT berbantuan *card sort* konteks TOGA. Metode yang digunakan adalah kuantitatif eksperimen dengan *nonequivalent control group design*. Sampel terdiri 42 siswa kelas VII SMP Sabilush Sholihin Socah yang dipilih melalui *purposive sampling*. Instrumen yang digunakan meliputi tes literasi sains, lembar observasi, dan angket. Hasil penelitian menunjukkan adanya perbedaan signifikan antara kelas eksperimen dan kelas kontrol ($p = 0.000 < 0.05$). Peningkatan literasi sains siswa pada kelas eksperimen berada pada kategori sedang dengan hasil rata-rata perhitungan N-gain 0.46. Rata-rata presentase keterlaksanaan pembelajaran 95% dengan kategori sangat baik, dan respons siswa yakni 82% dengan kategori menarik. Penelitian ini menunjukkan bahwa dalam penerapan model TGT berbantuan *card sort* konteks TOGA berpengaruh meningkatkan kemampuan literasi sains siswa.

Kata Kunci: Model pembelajaran *teams games tournamen*, Literasi sains, Tanaman obat keluarga.

Anis Sholikha Jaya. 2025. *Implementation of TGT Model Assisted by Card Sort in TOGA Context to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor: Mochammad Yasir.

ABSTRACT

Based on the results of the pre-research that was conducted, students' scientific literacy abilities were still relatively low because learning tended to be teacher-centered. The purpose of this study was to determine the effect of improving students' scientific literacy in the competency aspect, learning implementation, and student responses to the application of the TGT model assisted by card sort in the TOGA context. The method used was a quantitative experiment with a nonequivalent control group design. The sample consisted of 42 seventh-grade students of Sabilush Sholihin Socah Middle School, selected through purposive sampling. The instruments used included a science literacy test, observation sheets, and questionnaires. The results showed a significant difference between the experimental class and the control class ($p = 0.000 < 0.05$). The increase in students' scientific literacy in the experimental class was in the moderate category with an average N-gain calculation of 0.46. The average percentage of learning implementation was 95% with a very good category, and student responses were 82% with an interesting category. This study showed that the application of the TGT model assisted by card sort in the TOGA context had an effect on improving students' scientific literacy abilities.

Keywords: *Team games tournament learning model, Home medicinal plants, Scientific literacy.*