

ABSTRAK

ADE IRMA: Pengaruh Model Pembelajaran Kooperatif Tipe *Think Pair Share* (TPS) Berbantuan *Problem Card* Terhadap Kemampuan Literasi Numerasi Siswa SMA. **Program Studi Pendidikan Matematika FKIP Universitas Malikussaleh, 2026.**

Literasi numerasi merupakan kompetensi esensial dalam pembelajaran matematika yang mencakup kemampuan menganalisis informasi, menggunakan simbol matematika, serta menafsirkan hasil untuk memecahkan masalah kontekstual. Berdasarkan hasil observasi awal dan tes literasi numerasi yang dilakukan di SMA Negeri 2 Kesuma Bangsa, kemampuan literasi numerasi siswa masih tergolong rendah dengan persentase ketercapaian indikator menganalisis informasi sebesar 38,10%, menggunakan angka dan simbol sebesar 3,17%, serta menafsirkan hasil analisis sebesar 4,76%. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran kooperatif tipe *Think Pair Share* (TPS) berbantuan *problem card* terhadap kemampuan literasi numerasi siswa SMA pada materi matriks. Penelitian ini menggunakan pendekatan kuantitatif dengan jenis *quasi experiment* dan desain *non-equivalent control group pretest-posttest*. Penelitian dilaksanakan di SMA Negeri 2 Kesuma Bangsa pada semester genap tahun ajaran 2025/2026. Sampel penelitian adalah kelas XI-F2 sebagai kelas eksperimen (21 siswa) dan XI-F3 sebagai kelas kontrol (20 siswa) yang dipilih dengan teknik *purposive sampling*. Instrumen yang digunakan adalah tes tertulis (*pretest* dan *posttest*) dan lembar observasi. Instrumen tes terdiri dari 3 butir soal uraian yang telah melalui uji validitas dengan interpretasi tinggi ($r_{\text{hitung}} > r_{\text{tabel}}$ 0,433), reliabilitas dengan nilai *Cronbach's Alpha* 0,621 (kategori tinggi), serta uji taraf kesukaran dan daya pembeda yang menunjukkan kriteria layak digunakan. Teknik analisis data menggunakan uji *Mann-Whitney U* karena data tidak berdistribusi normal dengan taraf signifikansi 0,05. Berdasarkan hasil pengujian hipotesis data *posttest* menggunakan uji *Mann-Whitney U* diperoleh nilai Asymp. Sig. (2-tailed) sebesar 0,001. Karena nilai tersebut $\leq 0,05$, maka H_0 ditolak. Dengan demikian, dapat disimpulkan bahwa terdapat pengaruh model pembelajaran kooperatif tipe *Think Pair Share* (TPS) berbantuan *problem card* terhadap kemampuan literasi numerasi siswa SMA pada materi matriks.

Kata Kunci: Kemampuan Literasi Numerasi, *Problem Card*, *Think Pair Share* (TPS)

ABSTRACT

ADE IRMA: *The Effect of the Problem Card-Assisted Think Pair Share (TPS) Type Cooperative Learning Model on the Numeracy Literacy Ability of High School Students. Mathematics Education Study Program, FKIP University of Malikussaleh, 2026.*

Numeracy literacy is an essential competency in mathematics learning that includes the ability to analyze information, use mathematical symbols, and interpret results to solve contextual problems. Based on the results of initial observations and numeracy literacy tests conducted at SMA Negeri 2 Kesuma Bangsa, students' numeracy literacy skills are still relatively low with the percentage of achievement indicators in analyzing information of 38.10%, using numbers and symbols of 3.17%, and interpreting the results of the analysis of 4.76%. This study aims to determine the effect of the Think Pair Share (TPS) type cooperative learning model assisted by problem cards on the numeracy literacy ability of high school students in matrix materials. This study uses a quantitative approach with a quasi experiment type and a non-equivalent control group pretest-posttest design. The research was carried out at SMA Negeri 2 Kesuma Bangsa in the even semester of the 2025/2026 school year. The research sample was class XI-F2 as an experimental class (21 students) and XI-F3 as a control class (20 students) which were selected by purposive sampling technique. The instruments used were written tests (pretest and posttest) and observation sheets. The test instrument consists of 3 description questions that have gone through a validity test with high interpretation ($r_{\text{count}} > r_{\text{table}} 0.433$), reliability with a Cronbach's Alpha value of 0.621 (high category), and a difficulty and differentiating power test that shows the criteria are suitable for use. The data analysis technique used the Mann-Whitney U test because the data was not normally distributed with a significance level of 0.05. Based on the results of the hypothesis test, the posttest data using the Mann-Whitney U test obtained an Asymp. Sig. (2-tailed) value of 0.001. Since this value ≤ 0.05 , H_0 is rejected. This, it can be concluded that there is an influence of the Think Pair Share (TPS) type cooperative learning model assisted by problem cards on the numeracy literacy ability of high school students in matrix materials.

Keywords: Numeracy Literacy Ability, Problem Card, Think Pair Share (TPS)