

ABSTRAK

SONNYA NUR AZIZAH. (2026). **Peningkatan Kemampuan Literasi Matematis dan *Self-Efficacy* Siswa SMP melalui Model *Cooperative Learning* tipe CIRC Berbantuan *Genially*.**

Kemampuan literasi matematis siswa masih menjadi permasalahan kognitif karena siswa cenderung mengalami kesulitan dalam memahami, menafsirkan, dan menyelesaikan masalah matematika yang berkaitan dengan konteks kehidupan sehari-hari. Selain itu, *Self-Efficacy* siswa sebagai aspek afektif juga masih perlu diperhatikan karena keyakinan siswa terhadap kemampuan dirinya dapat memengaruhi keberanian, ketekunan, dan keberhasilan dalam menyelesaikan tugas matematika. Tujuan penelitian ini adalah: 1) Untuk mengetahui peningkatan kemampuan literasi matematis siswa yang memperoleh model *Cooperative Learning* tipe CIRC berbantuan *Genially* lebih tinggi daripada siswa yang memperoleh pembelajaran konvensional; 2) Untuk mengetahui *Self-Efficacy* siswa yang memperoleh model *Cooperative Learning* tipe CIRC berbantuan *Genially* lebih baik daripada siswa yang memperoleh pembelajaran konvensional; 3) Untuk mengetahui terdapat korelasi positif antara kemampuan literasi matematis dan *Self-Efficacy* siswa; dan 4) Untuk mengetahui efektivitas model *Cooperative Learning* tipe CIRC berbantuan *Genially* terhadap peningkatan kemampuan literasi matematis siswa. Metode yang digunakan dalam penelitian ini adalah quasi experiment dengan desain non-equivalent control group. Subjek penelitian yaitu siswa kelas VII SMP Pasundan 2 Bandung, dengan sampel kelas VII C sebagai kelas eksperimen dan kelas VII D sebagai kelas kontrol. Instrumen yang digunakan meliputi tes uraian kemampuan literasi matematis dan angket *Self-Efficacy*. Analisis data dilakukan menggunakan uji *Mann-Whitney*, uji korelasi *Kendall Tau*, dan uji efektivitas Cohen's d dengan bantuan *IBM SPSS Statistics 23 for Windows* dan *Good Calculator*. Hasil penelitian menunjukkan bahwa: 1) Peningkatan kemampuan literasi matematis siswa yang memperoleh model *Cooperative Learning* tipe CIRC berbantuan *Genially* lebih tinggi daripada siswa yang memperoleh pembelajaran konvensional; 2) *Self-Efficacy* siswa yang memperoleh model *Cooperative Learning* tipe CIRC berbantuan *Genially* lebih baik daripada siswa yang memperoleh pembelajaran konvensional; 3) Terdapat korelasi positif antara kemampuan literasi matematis dan *Self-Efficacy* siswa; dan 4) Efektivitas model *Cooperative Learning* tipe CIRC berbantuan *Genially* terhadap peningkatan kemampuan literasi matematis siswa berkategori besar.

Kata Kunci: *Cooperative Learning* tipe CIRC, *Genially*, Kemampuan Literasi Matematis, *Self-Efficacy*.

ABSTRACT

SONNYA NUR AZIZAH. (2026). *Improving Junior High School Students' Mathematical Literacy Ability and Self-Efficacy through the CIRC Type of Cooperative Learning Model Assisted by Genially.*

Students' mathematical literacy skills remain a cognitive issue, as students tend to experience difficulties in understanding, interpreting, and solving mathematical problems related to real-life contexts. In addition, students' Self-Efficacy as an affective aspect also needs attention because students' beliefs in their own abilities can influence their courage, persistence, and success in completing mathematical tasks. The objectives of this study are: 1) To determine whether the improvement in mathematical literacy ability of students who receive the CIRC type of Cooperative Learning model assisted by Genially is higher than that of students who receive conventional learning; 2) To determine whether the Self-Efficacy of students who receive the CIRC type of Cooperative Learning model assisted by Genially is better than that of students who receive conventional learning; 3) To determine whether there is a positive correlation between students' mathematical literacy ability and Self-Efficacy; and 4) To determine the effectiveness of the CIRC type of Cooperative Learning model assisted by Genially in improving students' mathematical literacy ability. The method used in this study is a quasi-experiment with a non-equivalent control group design. The subjects of this study were Grade VII students of SMP Pasundan 2 Bandung, with class VII C as the experimental class and class VII D as the control class. The instruments used included essay tests to measure mathematical literacy ability and a Self-Efficacy questionnaire. Data analysis was conducted using the Mann-Whitney test, Kendall Tau correlation test, and Cohen's d effectiveness test with the assistance of IBM SPSS Statistics 23 for Windows and Good Calculator. The results of the study showed that: 1) The improvement in mathematical literacy ability of students who received the CIRC type of Cooperative Learning model assisted by Genially was higher than that of students who received conventional learning; 2) The Self-Efficacy of students who received the CIRC type of Cooperative Learning model assisted by Genially was better than that of students who received conventional learning; 3) There was a positive correlation between students' mathematical literacy ability and Self-Efficacy; and 4) The effectiveness of the CIRC type of Cooperative Learning model assisted by Genially in improving students' mathematical literacy ability was categorized as large.

Keywords: CIRC type of Cooperative Learning, Genially, Mathematical Literacy Ability, Self-Efficacy.

RINGKESAN

SONNYA NUR AZIZAH. (2026). *Ningkatkeun Kamampuh Literasi Matematis sareng Self-Efficacy Siswa SMP ngalangkungan Modél Cooperative Learning tipe CIRC kalayan bantosan Genially*.

Kamampuh literasi matematis siswa masih janten pasualan kognitif, sabab siswa condong ngalaman kasulitan dina ngartos, napsirkeun, sareng ngaréngsékeun pasualan matematika anu aya patalina sareng kontéks kahirupan sapopoé. Salian ti éta, Self-Efficacy siswa salaku aspék aféktif ogé kedah diperhatoskeun, sabab kayakinan siswa kana kamampuh dirina tiasa mangaruhan kawani, katekunan, sareng kasuksésan dina ngaréngsékeun pancén matematika. Tujuan tina ieu panalungtikan nyaéta: 1) Pikeun mikanyaho naha paningkatan kamampuh literasi matematis siswa anu diajar nganggo modél Cooperative Learning tipe CIRC kalayan bantosan Genially langkung luhur tibatan siswa anu diajar nganggo pembelajaran konvensional; 2) Pikeun mikanyaho naha Self-Efficacy siswa anu diajar nganggo modél Cooperative Learning tipe CIRC kalayan bantosan Genially langkung saé tibatan siswa anu diajar nganggo pembelajaran konvensional; 3) Pikeun mikanyaho naha aya korélasi positif antara kamampuh literasi matematis sareng Self-Efficacy siswa; sareng 4) Pikeun mikanyaho efektivitas modél Cooperative Learning tipe CIRC kalayan bantosan Genially kana paningkatan kamampuh literasi matematis siswa. Méthode anu digunakeun dina ieu panalungtikan nyaéta quasi experiment kalayan desain non-equivalent control group. Subjek dina ieu panalungtikan nyaéta siswa kelas VII SMP Pasundan 2 Bandung, kalayan sampel kelas VII C minangka kelas ékspérimén sareng kelas VII D minangka kelas kontrol. Instrumén anu digunakeun ngawengku soal tés uraian pikeun ngukur kamampuh literasi matematis sareng angkét Self-Efficacy. Analisis data dilakukeun nganggo uji Mann-Whitney, uji korélasi Kendall Tau, sareng uji efektivitas Cohen's d kalayan bantosan IBM SPSS Statistics 23 for Windows sareng Good Calculator. Hasil panalungtikan nunjukkeun yén: 1) Paningkatan kamampuh literasi matematis siswa anu diajar nganggo modél Cooperative Learning tipe CIRC kalayan bantosan Genially langkung luhur tibatan siswa anu diajar nganggo pembelajaran konvensional; 2) Self-Efficacy siswa anu diajar nganggo modél Cooperative Learning tipe CIRC kalayan bantosan Genially langkung saé tibatan siswa anu diajar nganggo pembelajaran konvensional; 3) Aya korélasi positif antara kamampuh literasi matematis sareng Self-Efficacy siswa; sareng 4) Efektivitas modél Cooperative Learning tipe CIRC kalayan bantosan Genially kana paningkatan kamampuh literasi matematis siswa kaasup kana kategori ageung.

Kecap Konci: Cooperative Learning tipe CIRC, Genially, Kamampuh Literasi Matematis, Self-Efficacy.