

## ABSTRAK

PUTRI ISTI SONIA. **Peningkatan Kemampuan Literasi Matematis dan *Self-Regulated Learning* Siswa Melalui Model *Discovery Learning* Berbantuan *Quizizz*.**

Tujuan penelitian ini adalah untuk mengetahui: 1) peningkatan kemampuan literasi matematis siswa yang memperoleh model *Discovery Learning* berbantuan *Quizizz* lebih tinggi daripada yang memperoleh model pembelajaran konvensional, 2) pencapaian *self-regulated learning* siswa yang memperoleh model *Discovery Learning* berbantuan *Quizizz* lebih baik dari pada yang memperoleh pembelajaran konvensional, 3) korelasi antara kemampuan literasi matematis dan *self-regulated learning* siswa yang memperoleh model *Discovery Learning* berbantuan *Quizizz*. Metode penelitian yang digunakan peneliti yaitu *quasi experiment* dengan desain penelitian *Nonequivalent control group design*. Subjek penelitian ini berjumlah 60 orang yaitu 30 siswa kelas VIII H yang memperoleh model *Discovery Learning* berbantuan *Quizizz* dan 30 siswa kelas I yang memperoleh model konvensional di SMP Negeri 44 Bandung tahun pelajaran 2022/2023. Instrumen penelitian yang digunakan berupa instrumen tes untuk meneliti kemampuan literasi matematis siswa dan non tes untuk mengetahui skala *self-regulated learning* (SRL) siswa. Data yang terkumpul dianalisis menggunakan statistik deskriptif dan statistik inferensial dengan bantuan *Microsoft office Excel 2019* dan *Software IBM SPSS 26.0 for Windows*. Berdasarkan analisis data hasil penelitian, didapat kesimpulan: 1) Peningkatan kemampuan literasi matematis siswa yang memperoleh model *Discovery Learning* berbantuan *Quizizz* lebih tinggi daripada siswa yang memperoleh model pembelajaran konvensional. 2) *Self-regulated learning* siswa yang memperoleh model *Discovery Learning* berbantuan *Quizizz* lebih baik daripada siswa yang memperoleh model pembelajaran konvensional. 3) Terdapat korelasi antara kemampuan literasi matematis dan *self-regulated* siswa dalam pembelajaran matematika dengan model *Discovery Learning* berbantuan *Quizizz*.

**Kata kunci:** Kemampuan Literasi Matematis, *Self-regulated Learning*, Model *Discovery Learning*, Aplikasi *Quizizz*.

## **ABSTRACT**

**PUTRI ISTI SONIA. Peningkatan Kemampuan Literasi Matematis dan *Self-Regulated Learning* Siswa Melalui Model *Discovery Learning* Berbantuan Quizizz.**

*This study's objective was to determine: 1) ascertain whether students who used the Quizizz-assisted Discovery Learning model had better mathematical literacy skills than those who used the conventional learning model; 2) ascertain whether students who used the Quizizz-assisted Discovery Learning model had better self-regulated learning than those who used the conventional learning model; and 3) ascertain whether there was a correlation between students who used the Quizizz-assisted Discovery Learning model and self-regulated learning. Researchers employ a non-equivalent control group design and a quasi-experiment design for their research. This study included 60 participants, 30 of whom were in class VIII H and received the Discovery Learning model with the assistance of Quizizz, and 30 of whom were in class I and received the conventional model at SMP Negeri 44 Bandung during the 2022/23 academic year. Non-tests were used to measure students' self-regulated learning (SRL) scale, and tests were used to measure students' mathematical literacy skills. Using IBM SPSS 26.0 for Windows and Microsoft Office Excel 2019, descriptive and inferential statistics were applied to the collected data. In view of the information examination of the exploration results, the ends were gotten: 1) Students who used the Discovery Learning model with Quizizz's assistance improved their mathematical literacy skills more than students who used the conventional learning model. 2) Students who obtained the Discovery Learning model with the assistance of Quizizz performed better in self-regulated learning than students who obtained the conventional learning model. 3) When using the Discovery Learning model, which is aided by Quizizz, self-regulated students are more likely to learn mathematics.*

**Keywords:** *Mathematical Literacy Ability, Self-rugalated Learning, Discovery learning model*

## **RINGKESAN**

**PUTRI ISTI SONIA. Peningkatan Kemampuan Literasi Matematis dan *Self-Regulated Learning* Siswa Melalui Model *Discovery Learning* Berbantuan Quizizz.**

*Tujuan panalungtikan ieu teh kanggo 1) terang kanaekan pangabisa literasi matematis siswa anu ngagunakeun model *Discovery learning* berbantuan Quizizz langkung luhur batan siswa anu ngagunakeun model pembelajaran konvensional, 2) terang pencapaian *Self-regulated Learning* siswa anu ngagunakeun model *Discovery learning* berbantuan Quizizz mending batan siswa anu ngagunakeun model pembelajaran konvensional, sarta 3) terang korelasi antawis pangabisa literasi matematis sarta *Self-regulated Learning* siswa anu ngagunakeun model *Discovery learning* berbantuan Quizizz. Padika panalungtikan anu dipake yaktos quasi experiment kalawan desain panalungtikan nyaeta nonequivalent control group design. Jejer dina panalungtikan ieu teh siswa kelas VIII SMPN 44 Bandung warsih pituduh 2022-2023 saloba dua kelas dumasar wiwaha nu tangtu kalawan jumlah sampel saloba 60 siswa yaktos 30 siswa kelas VIII H minangka kelas eksperimen anu dibere perlakuan model *Discovery learning* berbantuan Quizizz sarta 30 siswa kelas VIII I minangka kelas kontrol anu dibere perlakuan model pembelajarain konvensional. Instrumen panalungtikan anu dipake mangrupi tes pangabisa literasi matematis sarta angket *Self-regulated Learning* . Data anu terkumpul dianalisis ngagunakeun statistik deskriptif sarta statistik inferensial kalawan bantuan Software IBM SPSS 26.0 for Windows. Dumasar analisis data kening panalungtikani, dipibanda kacindekan 1) kanaekan pangabisa literasi matematis siswa anu ngagunakeun model *Discovery learning* berbantuan Quizizz langkung luhur batan siswa anu ngagunakeun model pembelajaran konvensional, 2) pencapaian *Self-regulated Learning* siswa anu ngagunakeun model *Discovery learning* berbantuan Quizizz mending batan siswa anu ngagunakeun model pembelajaran konvensional, sarta 3) aya korelasi antawis pangabisa literasi matematis sarta *Self-regulated Learning* siswa anu ngagunakeun model *Discovery learning* berbantuan Quizizz.*

**Sanggem Kunci:** *Pangabisa Literasi Matematis, Self-rugalated Learning, Discovery learning, Quizizz*