

ABSTRAK

RIMA RAHAYU. **Peningkatan Kemampuan Literasi Matematis dan *Self-Regulated Learning* Siswa SMA Melalui Model Pembelajaran *Problem-based Learning* Berbantuan *Wizer.me***

Penelitian ini bertujuan untuk mengetahui 1) peningkatan kemampuan literasi matematis siswa yang memperoleh model *Problem-based Learning* berbantuan *Wizer.me* lebih tinggi dibandingkan pembelajaran konvensional 2) *self-regulated learning* siswa yang memperoleh model *problem-based learning* berbantuan *wizer.me* lebih baik dibandingkan pembelajaran konvensional 3) terdapat korelasi positif antara kemampuan literasi matematis dengan *self-regulated learning* siswa yang memperoleh model *problem-based learning* berbantuan *wizer.me* 4) efektivitas model *problem-based learning* berbantuan *wizer.me* terhadap kemampuan literasi matematis siswa 5) efektivitas model *problem-based learning* berbantuan *wizer.me* terhadap *self-regulated learning* siswa. Metode yang digunakan dalam penelitian ini adalah metode *quasi experimental* desain penelitian *non-equivalent control group*. Subjek dalam penelitian ini adalah siswa kelas X SMA Negeri 22 Bandung tahun pelajaran 2023-2024 dengan sampel sebanyak dua kelas yaitu kelas X-6 sebagai kelas eksperimen yang diberi perlakuan model *Problem-based Learning* berbantuan *Wizer.me* dan kelas X-5 sebagai kelas kontrol yang diberi perilaku model konvensional dengan masing masing kelas berjumlah 38 siswa. Instrumen penelitian yang digunakan berupa tes kemampuan literasi matematis dan angket *self-regulated learning* yang telah memenuhi kriteria keandalan soal. Data hasil penelitian diolah dan dianalisis menggunakan program *IBM SPSS Statistic 27 for Windows*. Hasil penelitian menunjukkan 1) peningkatan kemampuan literasi matematis siswa yang memperoleh model *Problem-based Learning* berbantuan *wizer.me* lebih tinggi dibandingkan pembelajaran konvensional 2) *self-regulated learning* siswa yang memperoleh model *Problem-based Learning* berbantuan *wizer.me* lebih baik dibandingkan pembelajaran konvensional 3) terdapat korelasi positif antara kemampuan literasi matematis dengan *self-regulated learning* siswa yang memperoleh model *Problem-based Learning* berbantuan *wizer.me* 4) efektivitas model *Problem-based Learning* berbantuan *wizer.me* terhadap kemampuan literasi matematis siswa tergolong kategori sedang 5) efektivitas model *Problem-based Learning* berbantuan *wizer.me* terhadap *self-regulated learning* siswa tergolong kategori sedang.

Kata Kunci: *Problem-based Learning*, kemampuan literasi matematis, *self-regulated learning*

ABSTRACT

RIMA RAHAYU. *Increasing High School Students' Mathematical Literacy and Self-Regulated Learning Abilities Through the Problem-based Learning Model Assisted by Wizer.me*

This research aims to determine 1) the increase in mathematical literacy skills of students who receive the problem-based learning model assisted by Wizer.me which is higher than conventional learning. 2) the self-regulated learning of students who receive the problem-based learning model assisted by wizer.me is better than learning conventional 3) there is a positive correlation between mathematical literacy abilities and self-regulated learning of students who receive the problem-based learning model assisted by wizer.me 4) the effectiveness of the problem-based learning model assisted by wizer.me on students' mathematical literacy abilities 5) the effectiveness of the problem-based learning model based learning assisted by wizer.me on students' self-regulated learning. The method used in this research is a quasi experimental method with a non-equivalent control group research design. The subjects in this research were class given conventional model behavior with each class totaling 38 students. The research instruments used were a mathematical literacy ability test and a self-regulated learning questionnaire which met the question reliability criteria. The research data was analyzed and analyzed using the IBM SPSS Statistics 27 for Windows program. The results of the research show 1) the increase in mathematical literacy skills of students who received the Problem-based Learning model assisted by wizer.me was higher than conventional learning 2) the self-regulated learning of students who received the Problem-based Learning model assisted by wizer.me was better than conventional learning 3) there is a positive correlation between mathematical literacy abilities and self-regulated learning of students who receive the Problem-based Learning model assisted by wizer.me 4) the effectiveness of the Problem-based Learning model assisted by wizer.me on students' mathematical literacy abilities is in the medium category 5) the effectiveness of the Problem model -based Learning assisted by wizer.me for students' self-regulated learning is in the medium category.

Keywords: *Problem-based Learning, mathematical literacy skills, self-regulated learning*

RINGKESAN

RAHAYU RIMA. *Ngaronjatkeun Kamampuh Matématika Siswa SMA jeung Kamampuh Diajar Mandiri Ngaliwatan Modél Pangajaran Berbasis Masalah Dibantuan ku Wizer.me*

Ieu panalungtikan miboga tujuan pikeun mikanyaho 1) ngaronjatna kaparigelan maca matématika siswa anu narima modél pangajaran berbasis masalah dibantuan ku Wizer.me anu leuwih luhur batan pangajaran konvensional 2) pangajaran mandiri siswa anu narima pangajaran berbasis masalah Modél pangajaran anu dibantuan ku wizer.me leuwih hadé tibatan diajar konvensional 3) aya korélasi anu positif antara kamampuh literasi matematika jeung diajar mandiri siswa anu narima modél pangajaran berbasis masalah dibantuan ku wizer.me 4) éféktivitas masalah. -modél pangajaran berbasis dibantuan ku wizer.me kana kamampuh literasi matématika t 5) éféktivitas modél problem-based learning dibantuan ku wizer.me dina diajar mandiri siswa. Méthode anu digunakeun dina ieu panalungtikan nyaéta méthode kuasi ékspérimén kalawan desain panalungtikan non-equivalent control group. Subjek dina ieu panalungtikan nya éta kelas dibéré kabiasaan modél konvensional kalawan unggal kelas jumlahna 38 siswa. Instrumén panalungtikan anu digunakeun nya éta tés kamampuh maca matématika jeung angkét diajar mandiri anu nyumponan kritéria réliabilitas soal. Data panalungtikan dianalisis jeung dianalisis ngagunakeun program IBM SPSS Statistics 27 for Windows. Hasil tina panalungtikan némbongkeun 1) ngaronjatna kamampuh literasi matematika siswa anu narima modél Problem-Based Learning dibantuan ku wizer.me leuwih luhur batan pangajaran konvensional 2) pangajaran self-regulated siswa anu narima Problem-Based Learning. model dibantuan ku wizer.me leuwih hade tinimbang diajar konvensional 3) aya korelasi anu positif antara kamampuh literasi matematika jeung diajar mandiri siswa anu narima model Pangajaran Berbasis Masalah dibantuan ku wizer.me 4) efektivitas Masalah- Modél Pangajaran berbasis dibantuan ku wizer.me kana kamampuh maca matématika siswa aya dina katégori sedeng 5) éféktivitas Pangajaran Berbasis Model Masalah dibantuan ku wizer.me pikeun diajar mandiri siswa aya dina katégori sedeng.

Kata Kunci: *Pangajaran Berbasis Masalah, Kaparigelan Matématika, Diajar Mandiri*