

ABSTRACT

Nelvianti, 2021 The Effectiveness of Problem Based Learning (PBL) Model Assisted by E-Learning Portal Rumah Belajar on Critical Thinking Ability of Fourth Grade Elementary School Students. Postgraduate Thesis, Faculty of Education, Padang State University

This research originated from the low critical thinking skills of fourth grade elementary school students. This can be seen from the students' inability to analyze, solve problems, evaluate, synthesize and conclude a problem. One of the efforts made is by implementing the Problem Based Learning (PBL) model assisted by e-learning Portal Rumah Belajar.

This type of research is mixed methods with a sequential exploratory design. The study population was all fourth grade students of SD Plus Marhamah which consisted of 3 groups, namely class IV A, IV B and IV C. Sampling was using purposive sampling technique. The experimental class is students of class IV A and the control class is students of class IV B. Data were collected through interviews. The instrumen used was a test of students' critical thinking skills. The qualitative data obtained were analyzed using triangulation techniques and quantitative data using the independent sample t test and N-Gain.

The results of the analysis show that: (1) The characteristics of the PBL model assisted by the e-learning portal Rumah Belajar are learning using virtual class features in the e-learning portal Rumah Belajar which are carried out according to the steps of the PBL model. (2) There is a significant difference in the critical thinking skills of fourth grade elementary school students between students who receive PBL model learning assisted by the e-learning portal Rumah Belajar and students who receive conventional model learning assisted by e-learning portal Rumah Belajar (3) There is an increase in critical thinking skills Grade IV SD students do better among students who receive PBL learning assisted by the e-learning portal Rumah Belajar compared to students who receive conventional learning models assisted by the e-learning portal Rumah Belajar.

Keywords: Elementary School, Thematic Science, E-Learning, Problem Based Learning, Critical Thinking

ABSTRAK

Nelvianti, 2021 Efektivitas Model *Problem Based Learning* (PBL) Berbantuan *E-Learning* Portal Rumah Belajar Terhadap Kemampuan Berpikir Kritis Siswa Kelas IV Sekolah Dasar. Tesis Program Pascasarjana Fakultas Ilmu Pendidikan, Universitas Negeri Padang

Penelitian ini berawal dari rendahnya kemampuan berpikir kritis siswa kelas IV SD. Hal ini terlihat dari ketidakmampuan siswa dalam menganalisis, memecahkan masalah, mengevaluasi, mensintesis dan menyimpulkan suatu permasalahan. Salah satu upaya yang dilakukan adalah dengan penerapan model *Problem Based Learning* (PBL) berbantuan *e-learning* Portal Rumah Belajar.

Jenis penelitian yang digunakan adalah *mixed methods* dengan desain *sequential exploratory*. Populasi penelitian adalah seluruh siswa kelas IV SD Plus Marhamah yang terdiri dari 3 rombel yaitu kelas IV A, IV B dan IV C. Pengambilan sampel dengan teknik *purposive sampling*. Kelas eksperimen adalah siswa kelas IV A dan kelas kontrol adalah siswa kelas IV B. Data dikumpulkan melalui wawancara. Instrumen yang digunakan adalah tes kemampuan berpikir kritis siswa. Data kualitatif yang diperoleh dianalisis menggunakan teknik triangulasi sumber dan data kuantitatif menggunakan uji *independent sample t test* serta N-Gain.

Hasil analisis menunjukkan bahwa: (1) Karakteristik model PBL berbantuan *e-learning* portal Rumah Belajar adalah pembelajaran menggunakan fitur kelas maya yang ada pada *e-learning* portal Rumah Belajar yang dilaksanakan sesuai langkah-langkah model PBL. (2) Terdapat perbedaan kemampuan berpikir kritis siswa kelas IV SD yang signifikan antara siswa yang memperoleh pembelajaran model PBL berbantuan *e-learning* portal Rumah Belajar dengan siswa yang memperoleh pembelajaran model konvensional berbantuan *e-learning* portal Rumah Belajar (3) Terdapat peningkatan kemampuan berpikir kritis siswa kelas IV SD yang lebih baik antara siswa yang memperoleh pembelajaran model PBL berbantuan *e-learning* portal Rumah Belajar dibandingkan siswa yang memperoleh pembelajaran model konvensional berbantuan *e-learning* portal Rumah Belajar.

Kata kunci: Sekolah Dasar, IPA Tematik, E-Learning, *Problem Based Learning*, Berpikir Kritis