

ABSTRACT

One of the factors causing the lack of students' conceptual understanding is the lack of learning strategies and innovations carried out in teaching and learning activities. This study aims to determine the effect of the project based learning model assisted by ruinmahi media on the conceptual understanding of grade 3 elementary school students. This study uses a quasi-experimental research design with a purposive sample design. Data collection techniques are carried out with tests, namely pretest and posttest. Non-test data collection techniques are carried out with observation, questionnaires, unstructured interviews, and documentation. Data collection techniques include validity tests, reliability tests, difficulty tests, discriminatory power, normality tests, homogeneity tests, hypothesis tests containing independent sample t-tests, and simple linear regression tests. The results of this study indicate that there is a significant difference in students' conceptual understanding between the experimental class using the project based learning model assisted by ruinmah media and the control class using the project based learning model only. The average value of the experimental class' conceptual understanding is 82.36 higher than the control class 72.36. In addition, there is an influence of the project based learning model assisted by ruinmahi on students' conceptual understanding with an R square value of 0.619 or 61.9%. This shows that the project based learning model assisted by ruinmahi media can improve students' conceptual understanding by 61.9%. It can be concluded from this study that the project based learning model assisted by ruinmahi media can improve the conceptual understanding of grade 3 elementary school students.

Keywords: project based learning, conceptual understanding, ruinmahi learning media

ABSTRAK

Salah satu factor penyebab kurangnya pemahaman konsep siswa adalah kurangnya strategi dan inovasi pembelajaran yang dilakukan dalam kegiatan belajar mengajar. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *project based learning* berbantuan media ruinmahi terhadap pemahaman konsep siswa kelas 3 sekolah dasar. Penelitian ini menggunakan desain penelitian quasi experimental dengan desain sample purposive. Teknik pengumpulan data dilakukan dengan tes yaitu pretes dan posttest, Teknik pengumpulan data non tes dilakukan dengan observasi, angket, wawancara tidak terstruktur, dan dokumentasi. Teknik pengambilan data meliputi uji validitas, uji reliabilitas, uji kesukaran, daya pembeda, uji normalitas, uji homogenitas, uji hipotesis yang berisi uji independent sample t-test, dan uji regresi linier sederhana. Hasil penelitian ini menunjukkan terdapat perbedaan signifikan dalam pemahaman konsep siswa antara kelas eksperimen yang menggunakan model pembelajaran *project based learning* berbantuan media ruinmah dengan kelas kontrol yang menggunakan model pembelajaran *project based learning* saja. nilai rata-rata pemahaman konsep kelas eksperimen 82,36 lebih tinggi dibandingkan dengan kelas kontrol 72,36. Selain itu terdapat pengaruh model pembelajaran *project based learning* berbantuan ruinmahi terhadap pemahaman konsep siswa dengan nilai R square 0,619 atau 61,9%. Hal ini menunjukkan bahwa model pembelajaran *project based learning* berbantuan media ruinmahi dapat meningkatkan pemahaman konsep siswa sebesar 61,9%. Dapat disimpulkan dari penelitian ini adalah model pembelajaran *project based learning* berbantuan media ruinmahi mampu meningkatkan kemampuan pemahaman konsep siswa kelas 3 sekolah dasar.

Kata kunci: *project based learning, pemahaman konsep, media pembelajaran ruinmahi*