

ABSTRAK

Metarisma Tika Pasomba, 2023. Analisis Keterampilan Berpikir Kritis Dan Kreatif Peserta Didik Kelas VIII Pada Materi Balok Dan Limas Setelah Pembelajaran Berbasis Proyek Rumah Adat Joglo. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.

Penelitian ini bertujuan untuk mengetahui hasil analisis (1) keterampilan berpikir kritis peserta didik pada materi Bangun Ruang Sisi Datar dengan penerapan model pembelajaran *Project Based Learning*, dan (2) keterampilan berpikir kreatif peserta didik pada materi Bangun Ruang Sisi Datar dengan penerapan model pembelajaran *Project Based Learning*.

Penelitian ini dilakukan dengan metode penelitian deskriptif kualitatif. Subjek dalam penelitian ini adalah peserta didik kelas VIII D SMP Negeri 2 Depok tahun ajaran 2022/2023 yang berjumlah 32 peserta didik yang dibentuk menjadi 6 kelompok, setiap kelompok terdiri dari 5 – 6 peserta didik. Objek penelitian ini adalah keterampilan berpikir kritis dan kreatif peserta didik kelas VIII D SMP Negeri 2 Depok pada materi bangun ruang sisi datar. Pengumpulan data diukur dengan LKPD dan lembar observasi untuk presentasi dan hasil produk. Teknik analisis data dalam penelitian ini yaitu reduksi data, penyajian data, dan penarikan kesimpulan.

Hasil analisis keterampilan berpikir kritis diperoleh (1) peserta didik mampu memenuhi indikator menentukan strategi dengan baik, (2) peserta didik mampu memenuhi merumuskan masalah, membuat rencana penyelesaian, dan membuat kesimpulan dengan cukup baik, (3) peserta didik mampu memenuhi indikator mengumpulkan fakta dengan kurang baik. Secara keseluruhan keterampilan berpikir kritis peserta didik memperoleh presentase 71,44. Sehingga, dapat disimpulkan bahwa secara keseluruhan keterampilan berpikir kritis cukup baik. Keterampilan berpikir kreatif berdasar hasil analisis diperoleh (1) peserta didik mampu memenuhi indikator keaslian dan keterincian dengan cukup baik, (2) peserta didik mampu memenuhi kelancaran dengan kurang baik. Secara keseluruhan keterampilan berpikir kritis peserta didik memperoleh presentase 65,2. Sehingga, dapat disimpulkan bahwa secara keseluruhan keterampilan berpikir kreatif cukup baik.

Kata kunci: keterampilan berpikir kritis, keterampilan berpikir kreatif, *project based learning*, bangun ruang sisi datar

ABSTRACT

Metarisma Tika Pasomba, 2023. Analysis of Critical and Creative Thinking Skills of Class VIII Students on Cuboid and Pyramid Material After Project-Based Learning of Joglo Traditional House. Thesis. Mathematics Education Study Program, Department of Mathematics and Natural Sciences Education, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta.

This study aims to determine the results of the analysis of (1) students' critical thinking skills on Polyhedron material with the application of the Project Based Learning learning model, and (2) students' creative thinking skills on Polyhedron material with the application of the Project Based Learning learning model.

This research was conducted using the descriptive qualitative research method. The subjects in this study were students of class VIII D SMP Negeri 2 Depok in the academic year 2022/2023 totalling 32 students who were formed into 6 groups, each group consisting of 5 - 6 students. The object of this research was the critical and creative thinking skills of students in class VIII D SMP Negeri 2 Depok on the material of flat-sided space building. Data collection was measured by LKPD and observation sheets for presentation assessment and product results. Data analysis techniques in this study were data reduction, data presentation, and conclusion drawing.

The results of the analysis of critical thinking skills obtained (1) students were able to fulfil the indicators of determining the strategy well, (2) students were able to fulfil formulating problems, making a solution plan, and making conclusions quite well, (3) students were able to fulfil the indicators of collecting facts poorly. Overall, students' critical thinking skills obtained a percentage of 71.44. So, it can be concluded that overall critical thinking skills are quite good. Creative thinking skills based on the results of the analysis obtained (1) students are able to fulfil the indicators of originality and detail quite well, (2) students are able to fulfil fluency less well. Overall, students' creative thinking skills obtained a percentage of 65.2. So, it can be concluded that overall creative thinking skills are quite good.

Keywords: *critical thinking skills, creative thinking skills, project-based learning, polyhedron*