ABSTRAK

Rahel Meiza Putri. 2022. Analisis Kemampuan Berpikir Kritis Peserta Didik Kelas VII SMP Salomo 3 Pringsurat dalam Pembelajaran Materi Bangun Datar dengan Model *Project Based Learning* Tahun Pelajaran 2021/2022. Skripsi. Program Studi Pendidikan Matematika. Universitas Sanata Dharma.

Penelitian ini bertujuan untuk (1) mengetahui profil kemampuan berpikir kritis peserta didik SMP Salomo 3 Pringsurat dalam pembelajaran bangun sisi datar dengan model *project based learning,* dan (2) mengetahui kegiatan belajar mengajar dengan model *project based learning* yang dilaksanakan dapat mengembangkan kemampuan berpikir kritis.

Jenis penelitian ini adalah deskriptif kualitatif dan kuantitatif. Subjek dalam penelitian ini adalah peserta didik kelas VII SMP Salomo 3 Pringsurat tahun pelajaran 2021/2022 berjumlah 13 peserta didik. Terdapat 13 peserta didik yang mengikuti tes tertulis dan lima peserta didik diwawancarai. Teknik pengumpulan data pada penelitian ini berupa observasi, tes tertulis, dan wawancara. Instrumen penelitian yang digunakan adalah Rencana Pelaksanaan Pembelajaran, soal tes tertulis, lembar observasi, lembar pedoman wawancara.

Hasil dari penelitian ini meunjukkan bahwa: (1) Kemampuan berpikir kritis peserta didik kelas VII dalam menyelesaikan permasalahan materi bangun datar berada pada kategori kuat. Hal tersebut ditunjukkan pada hasil analisis tes tertulis yaitu 85% peserta didik mampu mengidentifikasi permasalahan yang diberikan seperti menuliskan hal yang diketahui dan ditanya secara lengkap dan tepat; 62% peserta didik menjawab dan memberikan alasan secara lengkap dan tepat berdasarkan fakta/bukti yang relevan pada setiap langkah-langkah penyelesaian; 77% peserta didik mampu membuat kesimpulan dari permasalahan yang diberikan dengan alasan yang tepat dan logis; 62% peserta didik memberikan penjelasan secara jelas mengenai alasan setiap keputusan dengan bahasa yang jelas dan dapat menjelaskan istilah yang ada dalam soal; dan 38% peserta didik dapat menyelesaikan soal dengan menginputkan informasi yang ada pada soal secara tepat. (2) Dalam pembelajaran model *project based learning* di kelas VII SMP Salomo 3 Pringsurat, aspek indikator berpikir kritis yang sering muncul yaitu membuat penjelasan lebih lanjut dimana indikator berpikir kritis yang muncul mengidentifikasi yang terdapat pada kegiatan penilaian terhadap produk yang dihasilkan. Aspek indikator berpikir kritis yang sering muncul kedua yaitu membuat penjelasan lebih lanjut, dimana indikator berpikir kritis yang muncul mengidentifikasi istilah dalam kegiatan merencanakan proyek. Aspek indikator berpikir kritis yang sering muncul ketiga adalah memberikan penjelasan sederhana dengan yang indikator berpikir kritisnya kegiatan bertanya dan menjawab. Sehingga kegiatan penilaian terhadap produk yang dihasilkan, merencanakan proyek, serta kegiatan bertanya dan menjawab yang dilaksanakan di kelas VII SMP Salomo 3 Pringsurat dapat mengembangkan kemampuan berpikir kritis dalam proses belajar mengajar dengan model *project based learning*.

Kata kunci: Kemampuan Berpikir Kritis, Model *Project Based Learning,* Bangun Datar, Matematika.

ABSTRACT

Rahel Meiza Putri. 2022. Analysis of Critical Thinking Ability of Students of Class VII of Solomo 3 Pringsurat Junior High School in Learning Plane Figure Materials with a Project Based Learning Model for the Academic Year 2021/2022. Thesis. Mathematics Education Study Program. Sanata Dharma University.

This research aims to (1) find out the profile of the critical thinking ability of students of Solomo 3 Pringsurat Junior High School in learning to plane figure side with a project-based learning model, and (2) find out teaching and learning activities with a project-based learning model that is implemented to develop critical thinking skills.

This type of research is descriptive qualitative and quantitative. The subjects in this study were class VII students of SMP Solomon 3 Pringsurat for the 2021/2022 academic year totaling 13 students. There were 13 learners who took the written test and five students were interviewed. Data collection techniques in this study were in the form of observations, written tests, and interviews. The research instruments used are the Learning Implementation Plan, written test questions, observation sheets, interview guideline sheets.

The results of this research show that: (1) The critical thinking ability of class VII students in solving plane figure material problems is in the strong category. This is shown in the results of the written test analysis, namely 85% of students are able to identify the problems given such as writing down things that are known and asked completely and precisely; 62% of learners answered and gave a complete and precise reason based on relevant facts/evidence at each step of the settlement; 77% of learners are able to make conclusions from the problems given with appropriate and logical reasons; 62% of learners gave a clear explanation of the reasons for each decision with clear language and could explain the terms in the question; and 38% of students can solve the problem by inputting the information on the question correctly. (2) In learning the project-based learning model in class VII of SMP Solomon 3 Pringsurat, aspects of critical thinking indicators that often appear are to make further explanations where the critical thinking indicators that appear identify those contained in the assessment activities of the products produced. The second aspect of critical thinking indicators that often appears is to make further explanations, where the emerging critical thinking indicators identify terms in project planning activities. The third aspect of critical thinking indicators that often appears is to provide a simple explanation with which indicators of critical thinking activities ask and answer. So that assessment activities for the products produced, planning projects, as well as questioning and answering activities carried out in class VII of SMP Solomon 3 Pringsurat can develop critical thinking skills in the teaching and learning process with a project-based learning model.

Keywords: *Critical Thinking Skills, Project Based Learning Models, Plane Figure, Mathematics.*