

ABSTRAK

Veronika Nervi Puspitaningrum. 2022. Proses Berpikir Peserta Didik Kelas VIII B dalam Menyelesaikan Soal Tipe *Higher Order Thinking Skills* (HOTS) pada Materi Peluang di SMP Pangudi Luhur Gantiwarno Klaten. Skripsi. Program Studi Pendidikan Matematika. Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam. Universitas Sanata Dharma Yogyakarta.

Penelitian ini bertujuan untuk: (1) mendeskripsikan kemampuan peserta didik dalam menyelesaikan soal tipe HOTS (*Higher Order Thinking Skills*) materi Peluang; (2) mengetahui kemampuan proses berpikir peserta didik dalam menyelesaikan soal tipe HOTS (*Higher Order Thinking Skills*) materi Peluang.

Jenis penelitian ini adalah penelitian deskriptif dengan pendekatan kualitatif. Subyek dalam penelitian ini adalah peserta didik kelas VIII B SMP Pangudi Luhur Gantiwarno Klaten. Jumlah peserta didik yang diteliti dalam penelitian ini sebanyak 5 orang. Objek yang diteliti adalah proses berpikir peserta didik dalam menyelesaikan soal tipe *Higher Order Thinking Skills* (HOTS) materi Peluang. Instrumen yang digunakan dalam penelitian adalah soal tes kemampuan HOTS dan pedoman wawancara. Analisis data yang digunakan adalah reduksi data (*data reduction*), paparan data (*data display*), penarikan kesimpulan dan verifikasi (*conclusion drawing/verifying*).

Hasil penelitian ini menunjukkan bahwa: 1) kemampuan peserta didik dalam menyelesaikan soal tipe *Higher Order Thinking Skills* (HOTS) pada materi Peluang ada dua kategori kemampuan yaitu 3 subyek berada pada kategori kemampuan sedang S12, S15, dan S16. Kemudian ada 2 subyek pada kategori kemampuan tinggi yaitu S5 dan S18. 2) Proses berpikir peserta didik dalam menyelesaikan soal tipe *Higher Order Thinking Skills* (HOTS) pada materi Peluang berada pada tingkat kemampuan kategori proses berpikir menganalisis (C4) dengan proses berpikir mengorganisasi. Berdasarkan kategori HOTS dari 5 peserta didik yang dianalisis hasil tes kemampuan HOTS dan hasil wawancara ada 1 peserta didik yang berada pada tingkat kemampuan kategori proses berpikir menganalisis (C4) dengan proses berpikir mengorganisasi.

Kata kunci: Proses Berpikir, *Higher Order Thinking Skills* (HOTS), Materi Peluang.

ABSTRACT

Veronika Nervi Puspitaningrum. 2022. Thinking Process of Class VIII B Students in Solving Higher Order Thinking Skills (HOTS) Type Problems on Opportunity Materials at Pangudi Luhur Gandawarno Junior High School, Klaten. Essay. Mathematics Education Study Program. Department of Mathematics and Natural Sciences Education. Sanata Dharma University, Yogyakarta.

This research aims: (1) describe the ability of students in solve the HOTS (Higher Order Thinking Skills) type of Opportunity material; (2) knowing the thinking process ability of students in solving HOTS (Higher Order Thinking Skills) type of Opportunity material.

This type of research is descriptive research with a qualitative approach. The subjects in this study were students of class VIII B SMP Pangudi Luhur Gantiwarno Klaten. The number of students studied in this research was 5 people. The object studied is the thinking process of students in solving problems of the Higher Order Thinking Skills (HOTS) type of opportunity material. The instruments used in the study were HOTS ability test questions and interview guidelines. Analysis of the data used is data reduction (data reduction), data exposure (data display), drawing conclusions and leveraging (conclusion drawing/verifying).

The results of this study indicate that: 1) the ability of students in solving problems of the Higher Order Thinking Skills (HOTS) type in the Opportunity material there are two categories of abilities, namely 3 subjects are in the medium ability category S12, S15, and S16. Then there are 2 subjects in the high ability category, namely S5 and S18. 2) The thinking process of students in solving problems of the Higher Order Thinking Skills (HOTS) type on the Opportunity material is at the level of ability in the analytical thinking process category (C4) with an organizing thought process. Based on the HOTS category of 5 students who were analyzed the results of the HOTS ability test and the results of the interviews, there was 1 student who was at the ability level of the analytical thinking process category (C4) with an organizing thinking process.

Keywords: Thinking Process, Higher Order Thinking Skills (HOTS), Opportunity Material.