

ABSTRAK

Muhammad Awaludin Nasution. NIM 4163311042 (2021). Penerapan Teori Pembelajaran *Van Hiele* Berbantuan Video Animasi Untuk Meningkatkan Kemampuan *High Order Thinking Skill* (HOTS) Siswa Kelas VIII Di SMP Negeri 22 Medan

Penelitian ini bertujuan untuk mengetahui hasil analisis mengenai penerapan teori pembelajaran *Van Hiele* berbantuan video animasi untuk meningkatkan kemampuan *High Order Thinking Skill* (HOTS) siswa kelas VIII di SMP Negeri 22 Medan. Penelitian ini menggunakan jenis penelitian kualitatif dengan metode penelitian analisis deskriptif. Instrumen dalam penelitian ini soal pre test, soal post test yang diambil dari soal-soal UN SMP. Hasil penelitian menunjukkan bahwa penerapan teori pembelajaran *Van Hiele* berbantuan video animasi dapat meningkatkan kemampuan *High Order Thinking Skill* (HOTS) dapat meningkatkan kemampuan penalaran matematis siswa. Dan faktor yang mempengaruhi peningkatan kemampuan *High Order Thinking Skill* (HOTS) yakni teori pembelajaran *Van Hiele*, dan video animasi yang dapat menghilangkan abstraksi siswa.

Kata Kunci : Analisis, Teori Pembelajaran *Van Hiele*, Video Animasi, Kemampuan *High Order Thinking Skill* (HOTS)

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ABSTRACT

Muhammad Awaludin Nasution. NIM 4163311042 (2021). The Application of Van Hiele Learning Theory Aided by Animated Videos to Improve the *High Order Thinking Skill* (HOTS) of Class VIII Students at SMP Negeri 22 Medan

This study aims to determine the results of the analysis regarding the application of Van Hiele's learning theory assisted by animated videos to improve the High Order Thinking Skill (HOTS) ability of class VIII students at SMP Negeri 22 Medan. This research uses qualitative research with descriptive analysis research method. The instruments in this study were pre-test questions, post-test questions taken from SMP UN questions. The results showed that the application of Van Hiele's learning theory with the aid of animated videos could improve the ability of *High Order Thinking Skill* (HOTS) to improve students' mathematical reasoning abilities. And the factors that influence the improvement of *High Order Thinking Skill* (HOTS) are Van Hiele's learning theory, and animated videos that can eliminate student abstractions.

Keywords: Analysis, Van Hiele Learning Theory, Video Animation, *High Order Thinking Skill* (HOTS)

