

ABSTRAK

PENGEMBANGAN INSTRUMEN PENILAIAN LOGIKA MATEMATIKA BERBASIS *HIGH ORDER THINKING SKILLS* (HOTS) UNTUK MENINGKATKAN KEMANDIRIAN BELAJAR SISWA DI SEKOLAH SMK YPK MEDAN

Nina Saswita

Ninasaswita80@gmail.com

Penelitian ini bertujuan untuk: 1). Mengembangkan instrumen penilaian berbasis *Higher Order Thinking Skill (HOTS)* dalam pelajaran matematika untuk meningkatkan kemandirian belajar siswa. 2). Mengetahui kualitas instrumen penilaian berbasis *Higher Order Thinking Skill (HOTS)* dalam pelajaran matematika untuk meningkatkan kemandirian belajar siswa. Jenis penelitian yang digunakan adalah penelitian *Research and Development (R&D)*. Penelitian pengembangan ini mengacu pada model 4-D yang dikemukakan Thiagarajan (1974) yaitu *define, design, develop, disseminate*. Namun dalam penelitian ini penelitian pengembangan Instrumen Penilaian Berbasis *High Order Thinking Skills (HOTS)* dimodifikasi menjadi 3D yang dibatasi hanya pada tahap *develop*. Subjek dalam penelitian ini adalah siswa kelas XI SMK Yayasan Pendidikan Keluarga (YPK) Medan. Instrumen penilaian yang digunakan adalah tes minat belajar dan angket respon siswa.

Berdasarkan hasil uji coba yang dilakukan diperoleh bahwa (1). Proses pengembangan instrumen penilaian *Higher Order Thinking Skills (HOTS)* untuk pelajaran matematika materi logika dikembangkan dengan model pengembangan Thiagarajan. Kemampuan berpikir kritis, dimana secara signifikan skor presentasi klasikal kemampuan berpikir kritis adalah 72% pada uji coba I dan signifikan skor persentase klasikal kemampuan berpikir kritis sebesar 92% pada uji coba II. (2). Respon siswa dalam meningkatkan kemandirian belajar pada uji coba I dan II meningkat sebesar 37,72%.

Kata Kunci : Instrumen Penilaian, *High Order Thinking Skills (HOTS)*, Kemandirian Belajar.

ABSTRACT

This study aims to: 1). Develop instrument-based assessment of Higher Order Thinking Skill (HOTS) in the subjects of mathematics to increase the independence of student learning. 2). Knowing the quality of the instrument-based assessment of Higher Order Thinking Skill (HOTS) in the subjects of mathematics to increase the independence of student learning. The type of research used is research, Research and Development (R&D). Research development this refers to the model 4-D, which was stated Thiagarajan (1974), namely define, design, develop, disseminate. However, in this study the research on the development of the Assessment Instruments Based on High Order Thinking Skills (HOTS) modified into a 3D bounded only at the stage of develop. Subjects in this study were students of class XI SMK Yayasan Pendidikan Family (YPK) Field. Assessment instruments used were the test of interest in learning and student questionnaire responses.

Based on the test results obtained that (1). The process of instrument development the assessment of Higher Order Thinking Skills (HOTS) for a math lesson material logic is developed with the development model of Thiagarajan. The ability to think critically, which significantly score presentation of the classical critical thinking skills is 72% in trial I and a significant percentage score of the classical critical thinking skills by 92% in trial II. (2). The response of the students in enhancing self-regulated learning in trials I and II increased by 37,72%.

Keywords : Assessment Instruments, High Order Thinking Skills (HOTS), self-regulated Learning.