

Auliya Turrofifah. 2026. *Pengembangan soal HOTS berbasis AKM pada Mata Pelajaran Dasar-Dasar Teknik Jaringan Komputer dan Telekomunikasi*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRAK

Rendahnya kemampuan berpikir tingkat tinggi siswa (*HOTS*) dalam menjawab soal yang kompleks menjadi salah satu masalah utama dalam pendidikan, khususnya di SMKS AL-HIKAM pada mata pelajaran Dasar-Dasar Teknik Jaringan Komputer dan Telekomunikasi. Penelitian ini bertujuan untuk mengembangkan soal berbasis *Higher Order Thinking Skills (HOTS)* berbasis *Asesmen Kompetensi Minimum (AKM)* guna meningkatkan kemampuan analisis, evaluasi, dan kreativitas siswa. Penelitian menggunakan metode pengembangan *ADDIE (Analysis, Design, Development, Implementation, Evaluation)*. Dengan subjek penelitian kelas X SMKS AL-HIKAM. Hasil dari penelitian ini memiliki klasifikasi sangat layak digunakan, mendapat nilai kelayakan 90% dari validator ahli konstruk, 90% dari validator ahli materi pada soal 1 dan 87% dari validator ahli materi pada soal 2 dan 90% dari validator ahli angket respon siswa. Sementara itu dari angket respon siswa terhadap soal dinilai sangat baik dengan persentase 85,3% pada uji perorangan, 90% pada uji kelompok kecil, dan 89,5% pada uji kelompok besar. Berdasarkan hasil tersebut, maka soal *HOTS* berbasis AKM dengan model *ADDIE* termasuk dalam kategori baik, akan tetapi hasil uji coba soal yang telah dilakukan menunjukkan hasil yang kurang maksimal.

Kata Kunci: Soal HOTS Berbasis AKM

Auliya Turrofifah. 2026. *Development of HOTS on AKM questions in the Basics of Computer Network Engineering and Telecommunications Subject*. Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University, Madura. Advisor: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRACT

The low level of students' higher-order thinking skills (HOTS) in answering complex questions has become one of the main problems in education, particularly at SMKS AL-HIKAM in the subject of Basics of Computer Network and Telecommunication Engineering. This study aims to develop Higher Order Thinking Skills (HOTS)-based questions based on the Minimum Competency Assessment (AKM) to improve students' abilities in analysis, evaluation, and creativity. The study used the ADDIE development method (Analysis, Design, Development, Implementation, Evaluation), with the research subjects being class X students at SMKS AL-HIKAM. The results of this study are classified as very feasible to use, receiving a feasibility score of 90% from construction expert validators, 90% from material expert validators on question 1, 87% from material expert validators on question 2, and 90% from student response questionnaire expert validators. Meanwhile, based on the student response questionnaire, the questions were rated very good with a percentage of 85.3% in the individual test, 90% in the small group test, and 89.5% in the large group test. Based on these results, the AKM-based HOTS questions using the ADDIE model fall into the good category; however, the results of the question trial that has been conducted show less than optimal outcomes.

Keywords: *HOTS Questions Based on AKM*