

ABSTRAK

Agung Heru Saputra. 2025. *Pengembangan Sistem Penilaian Praktikum Berbasis AppSheet pada Program Keahlian Teknik Ketenagalistrikan di SMKN 1 Paringin*. Skripsi. Program Studi Pendidikan Teknik Elektro, FKIP, Universitas PGRI Madiun. Pembimbing (I) Umi Kholifah, S.Pd., M.Pd., (II) Pramudya Ardi, S.Pd., M.Pd.

Tujuan penelitian ini adalah untuk mengembangkan sistem penilaian praktikum berbasis AppSheet yang dapat diterapkan pada Program Keahlian Teknik Ketenagalistrikan di SMK Negeri 1 Paringin. Sistem ini dirancang agar mendukung prinsip-prinsip penilaian yang baik, yaitu transparan, akuntabel, objektif, dan terpadu, serta dapat diakses secara digital oleh guru dan siswa. Penelitian ini menggunakan metode *Research and Development (R&D)* dengan model pengembangan ADDIE (*Analyze, Design, Development, Implementation, dan Evaluation*).

Pengembangan sistem penilaian berbasis memiliki fitur utama seperti input nilai, simulasi penilaian, rekap nilai, transkrip nilai, monitoring progres siswa, dan unduh nilai dalam format digital. Hasil uji validasi media menunjukkan nilai oleh ahli media 1 sebesar 87%, dan ahli media 2 dengan nilai persentase 91%, serta uji validasi substansi sebesar 83%, dan uji keterlaksanaan memperoleh rata-rata 89%, yang seluruhnya termasuk kategori sangat layak. Keberhasilan penelitian ini menunjukkan bahwa sistem penilaian berbasis AppSheet dapat menjadi solusi inovatif dalam digitalisasi penilaian praktikum serta meningkatkan efisiensi dan kualitas pembelajaran di SMK.

Kata kunci: ADDIE, AppSheet, Penilaian Praktikum, Teknik Ketenagalistrikan.

ABSTRACT

Agung Heru Saputra. 2025. *Development of an AppSheet-Based Practical Assessment System in the Electrical Engineering Expertise Program at SMKN 1 Paringin*. Undergraduate Thesis. Department of Electrical Engineering Education, Faculty of Teacher Training and Education, Universitas PGRI Madiun. Advisors: (I) Umi Kholifah, S.Pd., M.Pd., (II) Pramudya Ardi, S.Pd., M.Pd.

The purpose of this research is to develop an AppSheet-based practical assessment system that can be applied to the Electrical Engineering Expertise Program at SMKN 1 Paringin. The system is designed to support good assessment principles, namely transparency, accountability, objectivity, and integration, while being digitally accessible for both teachers and students. This study employs the Research and Development (R&D) method with the ADDIE development model (Analyze, Design, Development, Implementation, and Evaluation).

The developed assessment system features key functions such as score input, assessment simulation, score recap, transcript generation, student progress monitoring, and digital score export. The media validation results indicated that media expert 1 gave a score of 87%, media expert 2 gave 91%, the content validation reached 83%, and the implementation feasibility test achieved an average of 89%. All of these results fall into the "very feasible" category. The findings demonstrate that the AppSheet-based assessment system can serve as an innovative solution for digitalizing practical assessments while enhancing efficiency and the quality of learning in vocational schools.

Keywords: ADDIE, AppSheet, Practical Assessment, Electrical Engineering