

ABSTRAK

Tessalonika Bona Uli Simanjuntak: *Pengembangan Instrumen Tes Interaktif Berbasis Wayground Untuk Evaluasi Hasil Pembelajaran Dasar-Dasar Busana Siswa Kelas X Tata Busana Di Smk N 8 Medan*. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2026

Penilaian hasil belajar merupakan elemen penting dalam mengevaluasi pencapaian tujuan pembelajaran. Namun, implementasi penilaian di SMK Negeri 8 Medan saat ini masih didominasi oleh pendekatan berbasis lembar kertas (paper-based test), yang di tengah tuntutan pembelajaran abad ke-21 menghadapi sejumlah keterbatasan, terutama dalam efisiensi waktu pemberian umpan balik kepada peserta didik. Kondisi ini membuka peluang pengembangan alternatif penilaian yang lebih adaptif terhadap kebutuhan tersebut. Studi ini bertujuan untuk merancang instrumen tes interaktif berbasis Wayground yang memenuhi kriteria valid, reliabel, dan praktis pada mata pelajaran Dasar-Dasar Busana. Studi ini menerapkan metode Research and Development (R&D) dengan model ADDIE (Analysis, Design, Development, Implementation, Evaluation). Pengumpulan data dilaksanakan melalui observasi, wawancara, angket analisis kebutuhan pendidik dan peserta didik, serta pengujian empiris instrumen terhadap 36 siswa kelas X Program Keahlian Tata Busana. Temuan studi memperlihatkan bahwa keseluruhan 25 butir soal pilihan ganda yang disusun dinyatakan valid setelah menjalani dua tahap pengujian. Instrumen menghasilkan koefisien reliabilitas senilai 0,829 berkategori "Sangat Tinggi" berdasarkan rumus Kuder-Richardson (KR-20), dengan sebagian besar butir soal tergolong memiliki tingkat kesukaran sedang serta daya pembeda yang memadai. Perolehan angket tanggapan peserta didik mencapai 88,95% dengan "Kategori Sangat Praktis/Sangat Baik". Oleh karena itu, instrumen tes interaktif berbasis Wayground yang dihasilkan terbukti valid, reliabel, dan praktis untuk difungsikan sebagai sarana penilaian pembelajaran pada mata pelajaran Dasar-Dasar Busana.

Kata Kunci: instrumen tes interaktif, Wayground, evaluasi pembelajaran, model ADDIE, Dasar-Dasar Busana

ABSTRACT

Tessalonika Bona Uli Simanjuntak: *Development of a Wayground-Based Interactive Test Instrument for Evaluating Learning Outcomes in the Basics of Fashion Design for Grade X Fashion Design Students at SMK N 8 Medan.* Undergraduate Thesis. Faculty of Engineering, Universitas Negeri Medan. 2026.

Assessment of learning outcomes is a critical element in evaluating the achievement of instructional objectives. However, current assessment practices at SMK Negeri 8 Medan remain dominated by paper-based testing methods, which—amid the demands of 21st-century learning—face certain limitations, particularly in the timeliness of feedback delivery to students. This condition presents an opportunity to develop assessment alternatives that are more adaptive to these needs. This study aims to design an interactive test instrument based on the Wayground platform that meets the criteria of validity, reliability, and practicality in the Fundamentals of Fashion (Dasar-Dasar Busana) course. This study applied the Research and Development (R&D) method using the ADDIE (Analysis, Design, Development, Implementation, Evaluation) model. Data collection was carried out through observation, interviews, educator and learner needs analysis questionnaires, as well as empirical testing of the instrument on 36 grade X students of the Fashion Design Expertise Program. The findings of the study indicate that all 25 developed multiple-choice items were declared valid after undergoing two stages of testing. The instrument yielded a reliability coefficient of 0.829, categorized as "Very High" based on the Kuder-Richardson (KR-20) formula, with the majority of the items classified as having a moderate difficulty level and adequate discriminating power. The results of the student response questionnaire reached 88.95%, falling into the "Very Practical /Very Good Category". Therefore, the resulting Wayground-based interactive test instrument is proven to be valid, reliable, and practical for use as a means of learning assessment in the Basics of Fashion Design subject.

Keywords: interactive test instrument, Wayground, learning evaluation, ADDIE model, Basics of Fashion Design