

## ABSTRAK

**Angga Dwi Ilyasa: Pengembangan Lembar Kerja Siswa (LKS) Pada Mata Pelajaran Dasar-dasar Konstruksi Bangunan dan Teknik Pengukuran Tanah Pada Siswa Kelas X Kompetensi Keahlian Desain Pemodelan Dan Informasi Bangunan di SMK Negeri 2 Medan. Skripsi. Fakultas Teknik - Universitas Negeri Medan. 2022.**

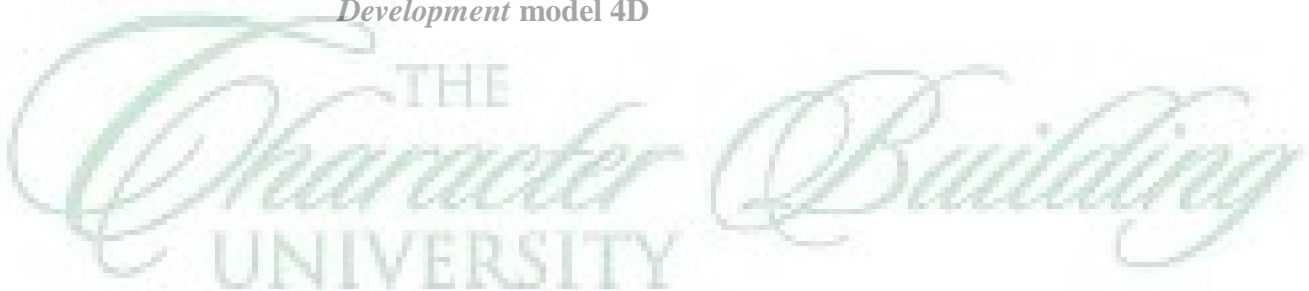
Penelitian ini bertujuan untuk: (1) Menghasilkan produk yaitu media pembelajaran Lembar Kerja Siswa yang layak digunakan pada mata pelajaran Dasar – Dasar Konstruksi Bangunan Dan Teknik Pengukuran Tanah; (2) Mengetahui keefektifan media pembelajaran LKS pada mata pelajaran Dasar – Dasar Konstruksi Bangunan Dan Teknik Pengukuran Tanah.

Pengembangan media pembelajaran ini menggunakan metode *Research and Development* model 4D, meliputi tahapan *Define* (definisi), *Design* (perancangan), *Development* (pengembangan), *Implementation* (implementasi), dan *Disseminate* (penyebaran). Instrumen yang digunakan berupa angket penilaian yang bertujuan untuk menguji kelayakan Lembar Kerja Siswa melalui validasi ahli materi, dan ahli media. Penelitian ini hanya sampai pada tahap *Development* (pengembangan) karena keterbatasan waktu penelitian.

Hasil pengujian kelayakan oleh ahli materi diperoleh skor 62,00% dengan kategori “Layak”, hasil pengujian kelayakan oleh ahli media diperoleh skor 66,87% dengan kategori “Layak”, dan hasil pengujian kelayakan oleh ahli materi pengguna yaitu guru diperoleh skor 90,66% dengan kategori “Sangat Layak”.

Berdasarkan hasil pengujian tersebut diketahui bahwa Pengembangan Lembar Kerja Siswa (LKS) layak digunakan pada mata pelajaran Dasar – Dasar Konstruksi Bangunan Dan Teknik Pengukuran Tanah.

**Kata Kunci : Lembar Kerja Siswa, Dasar-dasar Konstruksi Bangunan dan Teknik Pengukuran Tanah, Metode *Research and Development* model 4D**



## ABSTRACT

**Angga Dwi Ilyasa: The Development of Student Worksheet (LKS) in the Basics of Building Construction and Land Surveying Techniques Subject in 10th Grade Students of Modeling Design Skills and Building Information Competence in SMK Negeri 2 Medan. Thesis. Faculty of Engineering – Universitas Negeri Medan. 2022.**

This study aims to: (1) Create products such as Student Worksheet learning media that is feasible to use in the Basics of Building Construction and Land Surveying Techniques subject; (2) Identify the effectiveness of Student Worksheet learning media in the Basics of Building Construction and Land Surveying Techniques subject.

This learning media's development uses 4D model Research and Development method, including the Define (definisi), Design (perancangan), Development (pengembangan), Implementation (implementasi), dan Disseminate (penyebaran) stages. The instrument used is assessment questionnaire aiming to test the feasibility of Student Worksheet (LKS) through the validation from learning material expert, and media expert. This study explores only to the extent of Development stage, due to the limited research time.

The result of the the feasibility test conducted by the learning material expert obtains 62,00% score with "Feasible" category, the result of the feasibility test conducted by the media expert obtains 66,87% score with "Feasible" category, and the result of the the feasibility test conducted by the user material expert, which is the teacher, obtains 90,66% score with "Very Feasible" category.

Based on the result of the test, it is known that the Development of Student Worksheet (LKS) is feasible to use in the Basics of Building Construction and Land Surveying Techniques subject.

**Key Words: Student Worksheet, The Basics of Building Construction and Land Surveying Techniques, 4D model Research and Development Method.**

