

## ABSTRAK

Andy Fatra Maulana. 2026. Rancang Bangun Sistem Pendukung Keputusan Pemilihan Buku Pelajaran Sesuai Kurikulum Merdeka Menggunakan Metode *Simple Multi-Attribute Rating Technique* (Smart). Skripsi. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Saifulloh, S.Kom., M.Kom (II) Alim Citra Aria Bima, S.Pd., M.kom.

Pemilihan buku pelajaran merupakan salah satu aspek penting dalam mendukung keberhasilan proses pembelajaran pada implementasi Kurikulum Merdeka. Di SD Negeri Bancong, Wonoasri, proses pemilihan buku masih dilakukan secara manual sehingga berpotensi menghasilkan keputusan yang kurang objektif dan membutuhkan waktu yang lebih lama. Penelitian ini bertujuan untuk merancang dan membangun Sistem Pendukung Keputusan (SPK) berbasis web menggunakan metode *Simple Multi-Attribute Rating Technique* (SMART) untuk membantu guru dalam memilih buku pelajaran berdasarkan kriteria kesesuaian capaian pembelajaran, penyajian materi, serta desain dan grafika. Sistem dikembangkan menggunakan *framework* Laravel dengan basis data MySQL. Pengujian sistem dilakukan menggunakan metode *Black Box* Testing untuk memastikan seluruh fungsi sistem berjalan sesuai kebutuhan serta pengujian pengguna menggunakan kuesioner *Skala Likert*. Hasil penelitian menunjukkan bahwa metode SMART berhasil diterapkan untuk menghitung nilai akhir dan menghasilkan peringkat buku pelajaran sebagai rekomendasi bagi guru dalam proses pengambilan keputusan. Selain itu, hasil pengujian menggunakan Skala Likert memperoleh persentase sebesar 94,80% yang termasuk dalam kategori Sangat Layak, sehingga sistem dinilai mudah digunakan, dapat diterima oleh pengguna, serta mampu membantu proses pemilihan buku pelajaran secara lebih objektif, sistematis, dan terukur.

Kata Kunci: Buku Pelajaran, Kurikulum Merdeka, *Simple Multi-Attribute Rating Technique* (SMART), Sistem Pendukung Keputusan.

## ***ABSTRACT***

Andy Fatra Maulana. 2026. *Design and Development of a Decision Support System for Textbook Selection in Accordance with the Merdeka Curriculum Using the Simple Multi-Attribute Rating Technique (SMART) Method (Case Study: SD Negeri Bancong, Wonoasri). Undergraduate Thesis. Informatics Engineering Study Program, FT, Universitas PGRI Madiun. Pembimbing (I) Saifulloh, S.Kom., M.Kom (II) Alim Citra Aria Bima, S.Pd., M.kom.*

*The selection of textbooks is an important aspect in supporting the success of the learning process in the implementation of the Merdeka Curriculum. At SD Negeri Bancong, Wonoasri, the textbook selection process is still carried out manually, which may lead to less objective decision-making and requires more time. This study aims to design and develop a web-based Decision Support System (DSS) for textbook selection using the Simple Multi-Attribute Rating Technique (SMART) method to assist teachers in selecting textbooks based on the criteria of learning outcomes alignment, content presentation, and design and graphics.. The system was developed using the Laravel framework with MySQL as the database management system. System testing was conducted using Black Box Testing to ensure that all system functions operated according to the specified requirements, while user evaluation was carried out using a Likert Scale questionnaire. The results of the study indicate that the SMART method was successfully implemented to calculate the final scores and generate textbook rankings as recommendations to support teachers in the decision-making process. Furthermore, the user evaluation using the Likert Scale achieved a score of 94.80%, which falls into the "Very Feasible" category. Therefore, the developed system is considered easy to use, well accepted by users, and capable of supporting the textbook selection process in a more objective, systematic, and measurable manner.*

*Keywords: Decision Support System, Textbook Selection, Merdeka Curriculum, Simple Multi-Attribute Rating Technique (SMART).*