

**PENERAPAN METODE *SIMPLE ADDITIVE WEIGHTING* (SAW)
DALAM SISTEM PENDUKUNG KEPUTUSAN PENENTUAN PENERIMA
BEASISWA PROGRAM INDONESIA PINTAR PADA SISWA SMPN 01
JATINEGARA BERBASIS *WEBSITE***

**DIYA AULIA
H1D021028**

ABSTRAK

Program Indonesia Pintar (PIP) merupakan bantuan pendidikan dari pemerintah yang diberikan kepada siswa yang memenuhi kriteria tertentu. Dalam pelaksanaannya, proses seleksi penerima beasiswa masih banyak dilakukan secara manual sehingga kurang efisien dan cenderung subjektif. Untuk mengatasi hal tersebut, tugas akhir ini merancang sistem pendukung keputusan berbasis web guna membantu menentukan penerima beasiswa PIP di SMP Negeri 1 Jatinegara. Penelitian ini memanfaatkan metode *Simple Additive Weighting (SAW)* untuk memberikan nilai berdasarkan kriteria seperti penghasilan orang tua, nilai akademik, dan jumlah tanggungan. Dengan adanya sistem ini, proses seleksi beasiswa dapat dilakukan secara lebih efisien, objektif, dan transparan. Sistem juga menyediakan fitur login bagi siswa, guru, serta kepala sekolah, serta mendukung pengunggahan dokumen dan pembuatan laporan beasiswa.

Kata Kunci: Beasiswa PIP, Sistem Pendukung Keputusan, SAW, *Website*.

***APPLICATION OF THE SIMPLE ADDITIVE WEIGHTING (SAW)
METHOD IN A WEB-BASED DECISION SUPPORT SYSTEM FOR
DETERMINING RECIPIENTS OF THE INDONESIA SMART PROGRAM
(PIP) SCHOLARSHIP AT SMPN 01 JATINEGARA***

**DIYA AULIA
H1D021028**

ABSTRACT

The Indonesia Smart Program (PIP) is an educational aid provided by the government to students who meet specific criteria. In its implementation, the selection process for scholarship recipients is still largely carried out manually, making it less efficient and prone to subjectivity. To address this issue, this final project designs a web-based decision support system to assist in determining PIP scholarship recipients at SMP Negeri 1 Jatinegara. This study utilizes the Simple Additive Weighting (SAW) method to score candidates based on criteria such as parental income, academic performance, and number of dependents. The scholarship selection process can therefore be conducted more efficiently, objectively, and transparently. The system also includes login features for students, teachers, and the principal, and supports document uploads and scholarship report generation.

Keywords: PIP Scholarship, Decision Support System, SAW, Website