

INTISARI

Penelitian ini bertujuan mengembangkan Sistem Pendukung Keputusan Prioritas Program Sosial menggunakan metode *Simple Additive Weighting* (SAW) berbasis web pada Baitul Maal Ristaq Al-Muttaqiin (BMRA). Sistem dikembangkan untuk mendukung pengelolaan informasi dan keuangan Masjid Al-Muttaqiin serta BMRA, sekaligus membantu Pengurus BMRA dalam menentukan prioritas program sosial. Pengembangan sistem menggunakan model V-Model, *framework* Laravel, dan basis data MySQL. Penentuan prioritas dilakukan terhadap tujuh program sosial berdasarkan empat kriteria, yaitu Urgensi Program sebesar 25% dengan atribut *benefit*, Jumlah Penerima Manfaat sebesar 20% dengan atribut *benefit*, Kebutuhan Dana sebesar 20% dengan atribut *cost*, dan Dampak Sosial sebesar 35% dengan atribut *benefit*. Hasil penerapan metode SAW pada periode September 2026 menunjukkan bahwa Shubuh Berkah memperoleh nilai preferensi tertinggi sebesar 0,9300, diikuti Kajian Rabu Malam sebesar 0,8300 dan Subsidi TPQ sebesar 0,8133. Hasil pemeringkatan digunakan sebagai rekomendasi dan bahan pertimbangan bagi Pengurus BMRA dalam menentukan prioritas program sosial serta mempertimbangkan program yang dapat didanai berdasarkan ketersediaan dana, sedangkan keputusan akhir tetap ditentukan melalui musyawarah pengurus. Hasil *Unit Testing*, *Integration Testing*, dan *Black Box Testing* menunjukkan bahwa fungsi dan keterhubungan komponen sistem yang diuji berjalan sesuai dengan hasil yang diharapkan. Pengujian *User Acceptance Testing* (UAT) melibatkan 40 responden yang terdiri atas Pengurus BMRA, Pengurus Masjid, dan Jamaah/Donatur. Hasil UAT memperoleh persentase sebesar 89,84% pada Pengurus BMRA, 92,50% pada Pengurus Masjid, dan 88,13% pada Jamaah/Donatur. Seluruh hasil berada pada kategori Sangat Setuju, sehingga sistem dapat diterima oleh pengguna sesuai dengan fungsi masing-masing.

Kata kunci: Sistem Pendukung Keputusan, *Simple Additive Weighting*, BMRA, Prioritas Program Sosial, Sistem Berbasis Web.

ABSTRACT

This study aims to develop a web-based Social Program Priority Decision Support System using the Simple Additive Weighting (SAW) method at Baitul Maal Ristaq Al-Muttaqiin (BMRA). The system was developed to support the management of information and financial data of Al-Muttaqiin Mosque and BMRA, as well as to assist BMRA administrators in determining social program priorities. The system development process used the V-Model, Laravel framework, and MySQL database. Priority determination was conducted on seven social programs based on four criteria: Program Urgency with a weight of 25% as a benefit attribute, Number of Beneficiaries with a weight of 20% as a benefit attribute, Funding Requirement with a weight of 20% as a cost attribute, and Social Impact with a weight of 35% as a benefit attribute. The implementation of the SAW method for the September 2026 period showed that Shubuh Berkah obtained the highest preference value of 0.9300, followed by Kajian Rabu Malam with 0.8300 and Subsidi TPQ with 0.8133. The ranking results are used as recommendations and considerations for BMRA administrators in determining social program priorities and considering programs that can be funded based on available funds, while the final decision is made through deliberation among the administrators. The results of Unit Testing, Integration Testing, and Black Box Testing showed that the tested system functions and component integration operated according to the expected results. User Acceptance Testing (UAT) involved 40 respondents consisting of BMRA administrators, Mosque administrators, and Jamaah/Donors. The UAT results obtained percentages of 89.84% for BMRA administrators, 92.50% for Mosque administrators, and 88.13% for Jamaah/Donors. All results were classified in the Strongly Agree category, indicating that the system was accepted by users according to their respective functions.

Keyword: Decision Support System, Simple Additive Weighting, BMRA, Social Program Priority, Web-Based System.