

ABSTRAK

Program bantuan swadya rumah merupakan program kerja setiap tahun di dinas pekerjaan umum kabupaten sleman. Dalam penentuan penerima bantuan swadaya rumah di dinas pekerjaan umum kabupaten sleman masih dilakukan secara manual sehingga banyak data tidak tersimpan dengan baik bahkan sampe hilang

Dalam penelitian ini, peneliti bertujuan untuk membuat sistem yang dapat membantu dalam penentuan penerima bantuan swadya rumah di kabupaten sleman sehingga data bisa terdokumentasi dengan baik serta proses penentuan penerima bantuan tidak memakan waktu. Penelitian ini menggunakan metode *SMART (Simple Multi Attribut Rating Technique)* dengan penilaian 13 kriteria yaitu kerusakan penutup atap, kerusakan rangka atap, kerusakan kolom dan blok ring, kerusakan bata dan dinding, kerusakan kusen, kerusakan daun jendela, kerusakan daun pintu, kerusakan struktur bawah, kerusakan penutup lantai, kerusakan sloof, kerusakan kamar mandi, kerusakan kamar mandi, kerusakan saluran air.

Berdasarkan hasil penelitian, dapat disimpulkan bahwa penerapan pengambilan keputusan dengan metode *SMART (Simple Multi Attribut Rating Technique)* dihasilkan 95% kecocokan antara perhitungan manual dan sistem dengan data uji 40 data.

Kata Kunci : Penentuan bantuan swadaya rumah, Dinas Pekerjaan umum, *SMART (Simple Multi Attribut Rating Technique)* .

ABSTRACT

The self-help home assistance program is an annual work program at the Sleman Regency Public Works Department. In determining the recipient of home self-help assistance at the Sleman district public works service, it is still done manually so that a lot of data is not stored properly and even is lost. In this study, the researcher aims to create a system that can assist in determining the recipients of self-help housing in Sleman district so that data can be well documented and the process of determining beneficiaries does not take time. This study uses the SMART (Simple Multi Attribute Rating Technique) method with an assessment of 13 criteria, namely roof covering damage, roof truss damage, column and ring block damage, brick and wall damage, frame damage, window shutter damage, door leaf damage, substructure damage. , damage to the floor covering, damage to the sloof, damage to the bathroom, damage to the bathroom, damage to drains. Based on the results of the study, it can be concluded that the application of decision-making using the SMART (Simple Multi Attribute Rating Technique) method resulted in a 95% match between manual calculations and the system with 40 test data.

Keywords: *Determination of home self-help assistance, Public Works Department, SMART (Simple Multi Attribute Rating Technique).*

