

**SISTEM PENDUKUNG KEPUTUSAN  
PEMILIHAN ANGGOTA TERBAIK DAN PENCATATAN POIN  
BERBASIS REACT NATIVE  
(Studi Kasus Bank Sampah Sidodadi, Kalirejo, Lampung Tengah)**

oleh

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**INTISARI**

Peningkatan pola konsumsi masyarakat di daerah Kalirejo, Lampung Tengah berdampak pada peningkatan volume sampah. Bank Sampah Sidodadi merupakan alternatif dalam rangka pengelolaan sampah di tingkat komunitas. Bank Sampah Sidodadi dalam pengelolaannya memerlukan pencatatan aktivitas serta perankingan bagi seluruh anggotanya yang dihitung setiap tahun dengan tujuan memberikan *reward* bagi anggota terbaik. Aktivitas pencatatan dan perankingan masih dilakukan secara manual, oleh karena itu dihadirkan aplikasi berbasis Sistem Pendukung Keputusan (SPK) untuk memudahkan aktivitas Bank Sampah Sidodadi. Aplikasi ini dapat digunakan untuk admin atau pengurus serta seluruh anggota Bank Sampah Sidodadi. Aplikasi ini dibuat menggunakan *software* Visual Studio dan metode *Simple Additive Weighting* (SAW). Hasil perhitungan metode SAW pada data lima anggota secara manual terbukti sama dengan hasil perhitungan sistem yaitu 0,99 yang dimenangkan novita sari. Pengujian *device* dilakukan pada Android versi 7.1.1 Nougat, 7.1.2 Nougat, 8.0.0 Oreo, 8.1 Oreo, serta 9.0.0 Pie dan semua berhasil. Dari hasil pengujian didapatkan bahwa aplikasi berjalan dengan baik minimal pada versi Android 5.0 Lollipop.

Kata Kunci: Sistem Pendukung Keputusan (SPK), Bank Sampah, *Simple Additive Weighting* (SAW), Android

**BEST MEMBER SELECTION DECISION SUPPORT SYSTEM AND REACT  
NATIVE POINT RECORDING BASED ON  
(Case Study of the Sidodadi Trash Bank, Kalirejo, Central Lampung)**

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**ABSTRACT**

*The increase in people's consumption patterns in the Kalirejo area, Central Lampung has an impact on increasing the volume of waste. The Sidodadi Trash Bank is an alternative in the context of waste management at the community level. Sidodadi Trash Bank in its management requires recording activities and rankings for all its members which are calculated every year with the aim of providing rewards for the best members. Recording and ranking activities are still done manually, therefore a Decision Support System (SPK)-based application is presented to facilitate the activities of the Sidodadi Trash Bank. This application can be used for administrators and also all members of the Sidodadi Trash Bank. This application was created using visual studio software and Simple Additive Weighting (SAW) method. The results of the calculation of the SAW method on the data of five members manually proved to be the same as the results of the system calculations, namely 0,99, which was won by Novita Sari. Testing Device was carried out on Android versions 7.1.1 Nougat, 7.1.2 Nougat, 8.0.0 Oreo, 8.1 Oreo, and 9.0.0 Pie and all worked. From the test results, it is found that the application runs well at least on the Android 5.0 Lollipop version.*

*Keywords: Decision Support System (SPK), Trash Bank, Simple Additive Weighting (SAW), Android*