

MUH. NUR KAAFI, 19.230.0075

**SISTEM INFORMASI PENERIMA BANTUAN BERBASIS WEB
MENGUNAKAN METODE WEIGHTED PRODUCT (WP) PADA SMA
N 1 PETARUKAN**, dibawah bimbingan Christian Yulianto Rusli, M.Kom. dan
Ichwan Kurniawan, M.Kom.

138 + xiv halaman / 88 gambar / 26 tabel / 7 lampiran / 33 pustaka (2021-2024)

ABSTRAK

Ditemukan permasalahan pada proses penentuan penerima bantuan pada SMA N 1 Petarukan, dimana membutuhkan waktu lama dikarenakan banyak tahapan proses yang harus dilakukan, terutama pada tahap penilaian dan perhitungan untuk menyusun prioritas siswa penerima bantuan untuk disesuaikan dengan kuota bantuan yang tersedia. Sehingga dibangun sistem yang membantu proses penentuan penerima bantuan menggunakan metode pengembangan Waterfall melalui tahapan Komunikasi, Perencanaan, Pemodelan, Konstruksi, dan Penyerahan Sistem. Rancangan sistem dibangun dengan menggunakan Unified Modeling Language (UML) melalui diagram use case, activity, sequence, class, dan Lembar Kerja Tampilan (LKT). Sistem dibangun dengan menggunakan pemrograman web melalui framework CodeIgniter dan basis data MySQL. Sistem diuji dengan menggunakan metode White Box, Black Box dan User Acceptance Test (UAT). Sistem yang dibangun dapat membantu pihak SMA N 1 Petarukan lebih objektif, mudah, dan cepat dalam proses penentuan penerima bantuan yang disediakan, serta memiliki data riwayat penerima bantuan sesuai dengan jenis bantuan dan periodenya. Namun, sistem dapat dikembangkan agar memiliki akses untuk siswa atau calon penerima bantuan secara mandiri, sehingga proses registrasi dan pendataan kriteria penilaian lebih fleksibel, dan dinamis, serta dapat dikembangkan dengan menggunakan metode analisis lain yang lebih kompleks dan akurat seperti TOPSIS maupun SAW.

Kata Kunci : Sistem, Informasi, Bantuan, Web, Weighted Product

MUH. NUR KAAFI, 19.230.0075

WEB-BASED INFORMATION SYSTEM FOR AID RECIPIENTS USING THE WEIGHTED PRODUCT (WP) METHOD AT NATIONAL HIGH SCHOOL 1 PETARUKAN, under guidance of Christian Yulianto Rusli, M.Kom. dan Ichwan Kurniawan, M.Kom.

138 + xiv pages / 88 images / 26 tables / 7 attachments / 33 libraries (2021-2024)

ABSTRACT

A problem was found in the process of determining aid recipients at SMA N 1 Petarukan, which takes a long time due to the many stages of the process that must be carried out, especially in the assessment and calculation stages to prioritize student aid recipients to be adjusted to the available aid quota. So a system was built that helps the process of determining aid recipients using the Waterfall development method through the stages of Communication, Planning, Modeling, Construction, and System Delivery. The system design was built using the Unified Modeling Language (UML) through use case, activity, sequence, class, and Display Worksheet (DW) diagrams. The system is built using web programming through the CodeIgniter framework and MySQL database. The system was tested using the White Box, Black Box and User Acceptance Test (UAT) methods. The system built can help SMA N 1 Petarukan to be more objective, easy, and fast in the process of determining the recipients of the assistance provided, as well as having historical data on the recipients of assistance according to the type of assistance and its period. However, the system can be developed to have access for students or prospective beneficiaries independently, so that the registration process and data collection of assessment criteria are more flexible, and dynamic, and can be developed using other more complex and accurate analysis methods such as TOPSIS or SAW.

Key Word : System, Information, Aid, Web, Weighted Product