ABSTRAK

Sekolah Menengah Atas Eka Wijaya, Cibinong mempunyai kendala dalam hal sistem informasi yang masih dilakukan secara manual yang dapat menimbulkan kesalahan dalam pengorganisasian data. Sehingga perlu dilakukan pengorganisasian data secara komputerisasi agar terdapat data yang tepat, dapat dipercaya, dan dapat diandalkan. Tujuan dari penelitian ini adalah untuk membuat suatu aplikasi website yang dapat menangani masalah sistem informasi yang masih dilakukan secara manual. Dengan melakukan implementasi algoritma genetika pada website berbasis VB.NET diharapkan agar salah satu masalah pengorganisasian data dapat ditangani dengan baik (Penjadwalan). Metode yang dilakukan dalam penelitian ini adalah analisis deksriptif dengan pendekatan studi kasus. Pengumpulan data dilakukan melalui wawancara pada SMA Eka Wijaya, Cibinong. Hasil penelitian menunjukan bahwa aplikasi, dapat membantu user untuk mengorganisasikan data lebih cepat, lebih tepat, dan dapat dipercaya.

Kata Kunci: Implementasi, SMA Eka Wijaya, Cibinong, Penjadwalan, Algoritma Genetika, VB.NET.
ABSTRACT

Eka Wijaya Senior High School at Cibinong have the problem with information system still doing manually, which can cause some mistake in organizing data. So organizing data must do computerized can make data appropriate, can trusted, and reliable. Purpose of this research is make website application can handle information system problem when still doing manually. With implementation genetic algorithm in website based VB.NET it hope can solving one problem in organizing data very well (Schedule). Method be done in this research is descriptive analysis with case study approach. This data collection is attained to interview at Eka Wijaya Senior High School at Cibinong. The result of this research indicates application can help user for organizing data more faster, appropriate, and trusted.

Keywords:Implementation, Eka Wijaya Senior High School at Cibinong, Schedule, Genetic Algorithm, VB. NET.
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