

ABSTRACT

TITLE : **DECISION SUPPORT SYSTEM FOR DETERMINING THE PRIORITY OF MAINTENANCE FACILITIES IN THE UNIVERSITY OF PUTRA INDONESIA "YPTK" PADANG WITH METHOD TECHNIQUE FOR OTHERS OF PREFERENCE BY SIMILARITY TO IDEAL SOLUTION (TOPSIS) UNIVERSITY USING THE PHP AND MYSQL DATABASE PROGRAMMING LANGUAGE.**

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STUDY PROGRAM : **INFORMATION SYSTEM**

DEGREE GRANTED : **STRATA 1 (S1)**

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The development of technology is very dynamic that generated information fast and accurate, starting from an office to the education level. Facility maintenance data management at Putra Indonesia University "YPTK" is still done manually. Determining the maintenance of facilities based on manual management can cause irrelevance in determining the maintenance of facilities. To solve these problems, we need a decision support system that improve the management process and determine the maintenance of facilities using the Technique for Order Preference by Similarity to Ideal Solution (TOPSIS) method. This system is expected to be able to assist the university in managing facility data that affect the determination of priority in the maintenance of facilities and as a basis for making decisions in determining the maintenance of facilities.

Keyword: Maintenance, Decision Support System, TOPSIS, Facilities, Priority.

ABSTRAK

JUDUL : **SISTEM PENDUKUNG KEPUTUSAN PENENTUAN PRIORITAS Pengerjaan MAINTENANCE FASILITAS PADA UNIVERSITAS PUTRA INDONESIA “YPTK” PADANG DENGAN METODE TECHNIQUE FOR OTHERS PREFERENCE BY SIMILARITY TO IDEAL SOLUTION (TOPSIS) MENGGUNAKAN BAHASA PEMOGRAMAN PHP DAN DATABSE MYSQL**

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Perkembangan teknologi sangat dinamis sehingga informasi yang dihasilkan cepat dan akurat, mulai dari sebuah perkantoran sampai ke jenjang pendidikan. Pengelolaan data *maintenance* fasilitas pada Universitas Putra Indonesia “YPTK” masih dilakukan secara manual. Melakukan penentuan pengerjaan *maintenance* fasilitas berdasarkan pengelolaan manual dapat menyebabkan tidak relevannya penentuan pengerjaan *maintenance* fasilitas. Untuk mengatasi permasalahan tersebut maka diperlukan suatu sistem pendukung keputusan yang dapat meningkatkan proses pengelolaan dan penentuan pengerjaan *maintenance* fasilitas dengan menggunakan metode *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS). Sistem ini diharapkan mampu membantu pihak universitas dalam mengelola data fasilitas yang mempengaruhi penentuan prioritas pengerjaan *maintenance* fasilitas dan sebagai dasar pengambilan keputusan penentuan pengerjaan *maintenance* fasilitas.

Kata Kunci : ***Maintenance*, Sistem Pendukung Keputusan, TOPSIS, Fasilitas, Prioritas.**