ABSTRACT

Ardli, A Kholifatul. *"Design and Development of E-service Event Organizer Provision System Using Shopping Search Engine With Prototype Method".* **Supervisors: (1) Drs. Rawansyah, M.Pd. (2) Prof. Dr. Eng. Cahya Rahmad, S.T., M.Kom.**

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E-Service, a web-based application developed in response to the limited services offered by event organizers in the Central Java region, aimed to facilitate transactions for the search and rental of services. This application employed a shopping search engine to dynamically collect service data from external sources through crawling when specific categories were unavailable. Additionally, the Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS) method was implemented to provide product label recommendations and highlight outstanding products. Through black box testing and a prototype-based development approach, the research findings indicated that E-Service effectively generates service product recommendations with outstanding labels and recommended products. This suggested the potential for increased efficiency in searching and renting services in the region.

Keywords: E-service, Shopping Search Engine, service, TOPSIS, EO.