

## ABSTRAK

**ERNA SELVIYANTI. Pengembangan Sistem Pencarian Karya Akhir Berdasarkan Abstrak Menggunakan *Full-Text Searching* di Sistem Informasi Perpustakaan Jurusan Teknik Elektro Universitas Negeri Jakarta.** Pembimbing HAMIDILLAH AJIE dan WIDODO.

Penelitian dilakukan dengan tujuan mengembangkan sistem pencarian karya akhir berdasarkan abstrak menggunakan *full-text searching* di Sistem Informasi Perpustakaan Jurusan Teknik Elektro Universitas Negeri Jakarta. Sistem pencarian dengan fitur *full-text* dibuat untuk mempermudah mahasiswa dalam mencari karya akhir berdasarkan abstrak. Dengan adanya klausa `select MATCH () . . . AGAINTS`, data yang dicari dapat terurut dengan nilai relevansi.

Penelitian dilakukan di laboratorium multimedia Jurusan Teknik Elektro Fakultas Teknik Universitas Negeri Jakarta dari bulan September 2012 sampai Desember 2012. Siklus pengembangan sistem pencarian *full-text* secara konseptual adalah terdiri dari desain dan analisis sistem, pengembangan sistem pencarian, integrasi sistem pencarian *full-text* pada SIPEL 2013 dan pengujian SIPEL 2013 .

Sistem pencarian *full-text* menyimpan 229 abstrak karya akhir (skripsi, kompre dan TA) menggunakan aplikasi *web server* XAMPP. Sistem Informasi Perpustakaan Jurusan Teknik Elektro (SIPEL 2013) telah berhasil diintegrasikan terhadap SIPEL 2012 dengan cara menambah *database* dan fitur pencarian *full-text*. Dalam penelitian, digunakan bahasa *script* PHP dan *database* MySQL dan dikerjakan di sistem operasi Linux dengan menggunakan *text editor* Bluefish Editor dan XAMPP sebagai *localhost server*.

Kata kunci: Sistem Pencarian, Perpustakaan, Abstrak, *Full-Text*

## ABSTRACT

ERNA SELVIYANTI. **Development of Search System Undergraduate Thesis Based on Abstract Using the *Full-Text Searching* in Library Information Systems Department of Electrical Engineering State University of Jakarta.** Advised by HAMIDILLAH AJIE and WIDODO.

The research was conducted to develop a search system undergraduated thesis based on abstract using *full-text searching* in Library Information Systems Department of Electrical Engineering State University of Jakarta. The feature *full-text search* system is developed to facilitate students in finding undergraduate thesis based on abstract. By using the select clause MATCH () ... Against, the data can be searched ordered by relevancy value.

The research was conducted in the laboratory of multimedia Department of Electrical Engineering Faculty of Engineering, State University of Jakarta from September 2012 to December 2012. Development cycle of *full-text search* system conceptually consists of the design and analysis of systems, retrieval system development, integration of full-text search system to test SIPEL SIPEL 2013 and 2013.

Full-text search system stores abstract 229 thesis abstract (undergraduate thesis, comprehensive, and TA) using XAMPP web server applications. Library Information Systems Department of Electrical Engineering State University of Jakarta (SIPEL 2013) has successfully integrated the SIPEL 2012 by adding databases and full-text search feature. The research use scripting language PHP and the MySQL database and worked on the Linux operating system by using a text editor Bluefish Editor and XAMPP as localhost server.

Keywords: Search System, Library, Abstract, *Full-Text*