ABSTRACT

LABORATORY MANAGEMENT APPLICATIONS CODEIGNITER AND ORM BASED IN PT COMBIPHAR

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Application Management Laboratory analysis serve not only as a medium for documenting the results of the analysis in the laboratory, but also provides various other facilities which are very useful for companies and employees. Workers can more quickly complete the work because the system is integrated in all aspects.

This application was built using the CodeIgniter as PHP Framework. CodeIgniter is an MVC framework that separates business logic and presentation logic, so that programmers can focus to work on algorithms and logic in the application, while the designer will focus on the interface of the application. And also the use of CodeIgniter is so much faster the application will be built because of the availability of libraries and more easy to 'read' when it should collaborate with other programmers due to a simple logic structure. This application also uses the technique of mapping an object with a database that has been built or technique often called Object Relational Mapping (ORM), ORM will help to 'bridge' between the objects defined in the program code with a database, how the object is stored, retrieved, deleted and so on

From observations we can conclude that with the Management Analysis Laboratory, the need for accuracy and speed of providing data in a company already is an absolute. These applications help companies in solving this problem.

Keywords : Aplikasi Manajemen Laboratorium, *CodeIgniter, Framework, Object Relational Mapping*