

CHAPTER 1

INTRODUCTION

I.1 Background

Web application development growing with current technology development. Before mobile application development being a trend, web application development is one of the programming trend. The cause is before mobile application development founded, all of data are stored online via internet. The data which stored in internet will be displayed at the front end of website. But due to rapid technological changes, a lot of people trying to found something better to solve old problem. Every developer trying to develop programming language that can be a general programming language. The purpose is to make one programming language that can be accessed by every people in this world and can be developed by all of developer.

In 1995, *Rasmus Lerdorf* created PHP programming language. At that years, PHP programming language still based on C programming. The purpose of this invent is to process data from web forms. PHP published as open source programming language, its mean every people can develop and using PHP without cost. The more technology develops, PHP also developed by a lot of developer. One of company that develop PHP is *Zend*. Zend develops PHP to be cleaner, neater, and faster. PHP created as web programming language, along with the technology development. PHP native is not secure and very slow for programmer when making a website. That's the reason why developer create programming framework to make developer works more easy and the security of web better than PHP native.

Code Igniter is one of PHP Framework. Code Igniter created by EllisLab. The purpose of this invent is to make developer easy and faster when create a website. Code Igniter is framework based on MVC (Model View Controller). With Code Igniter, Developer can develop a website quickly and safer rather than using normal PHP. Today, Code Igniter used by a lot of developer in the whole world. Especially in Indonesia, Code Igniter is one of top programming language that used by a lot of developer to develop a website.

Because PHP and Code Igniter is free to use without cost. A lot of developer and student programmer like to use them to develop any website. The purpose is to study about architecture of Code Igniter.

1.2 Writing Objective

The purpose of this ISAS are :

1. Definition of programming language.
2. Definition of PHP programming language.
3. History of PHP Programming language.
4. Definition of MVC Pattern
5. Definition of Framework.
6. Definition of Code Igniter.
7. Knowing the controller scope of Code Igniter.
8. Knowing how to setup Code Igniter.

1.3 Problem Domain

Accordance with the title of ISAS "Architecture Technology of Code Igniter" We will discuss about :

1. Definition of Code Igniter
2. Code Igniter's Controller Scope
3. How To Setup Code Igniter

1.4 Writing Methodology

The method which used in this ISAS is the method of browsing from internet, reading online journal, and make a survey in problem domain.

1.5 Writing Framework

The paper was written by systematic as follows :

CHAPTER I : INTRODUCTION

1.1 Background

Discusses the web application development, PHP programming language history, and Code Igniter framework history.

1.2 Writing Objective

The purpose of this article is to understand about PHP, Code Igniter, MVC and simple steps to build website with Code Igniter.

1.3 Problem Domain

First, tell about the model MVC Pattern of Code Igniter, this model is a builder to build web application with Code Igniter. Second, tell about Code Igniter's Controller Scope,

describe each function of Code Igniter part such as Controller, Model, Library, Helper, and View.

1.4 Methodology Writing

To get data which needed, this paper use the method of observing or direct observation techniques, author reads famous repository online journal such as Science Direct.

1.5 Writing Framework

This paper Writing Framework consists of four Chapter, the first chapter is introduction which tells the background, writing objective, several problem domain, methodology writing and writing framework of this paper.

Chapter II Basic of Theory

In chapter II, paper written several sub chapter. The first sub chapter is to tell about briefly description about programming language. The second sub chapter is to tell about PHP Programming Language. The third sub chapter is to tell about Code Igniter Programming Language. The fourth sub chapter is to tell about architecture technology of Code Igniter.

Chapter III Problem Analysis

Analyzing and solve the problem that contained in problem domain.

Chapter IV Conclusion and Suggestion

Conclude and suggest related to this paper.