**CHAPTER I  
INTRODUCTION**

**I.1 Background**

In this era of globalization, technology is developing very fast and dynamic with time. Many people in the world are using the PC (PERSONAL COMPUTER), because many people are already using a PC, from the old PC to the latest PC today.

But here we do not explain all the hardware in CPU or pc, we will only discuss the motherboard and its components alone.

A motherboard is a complex printed circuit board (PCB), which is the main central part of many electronic systems, particularly computers. They are alternately known as mainboard, system board, or logic board (Apple Computers). It is a platform that offers electrical connections through which other components of a computer communicate, and also houses the central processing unit (CPU), generally referred to as the brain of the computer.

**I.2 Writing Objective**

Main purpose of making this research paper is to introduce and explain to the reader about Motherboard, including:

1. Knowing thedefinition of hardware CPU.
2. Knowing the definition of motherboard.
3. Knowing the history of hardware CPU.
4. Knowing the history of motherboard.
5. Knowledge of the port on the motherboard and function.
6. Introduction of miscellaneous components on the motherboard.
7. Understand with the conclusion and suggestion of the topic.

**I.3 Problem Domain**

1. Definition of hardware CPU.
2. Definition of Motherboard.
3. History of hardware CPU.
4. History of Motherboard.
5. What are the components on the motherboard and function ?
6. What is port on the motherboard and function ?

**I.4 Writing Methodology**

The method used is the method of research with data collection techniques using observations from reliable media.

**I.5 Writing Framework**

This paper, divided into four chapters. Each chapter in this study are interconnected between chapters with chapter one another by systematic writing as follows:

**Chapter I Introduction**

This chapter was published about the background of the problem, writing objective, problem domain, writing methodology, writing framework.

**Chapter II Basic Theory**

This chapter describes the basic theory used to solve problems that would be presented, the detailed description of Motherboard is used as the theme in this paper.

**Chapter III Problem Analysis**

This chapter describes the analysis of issues concerning new technology of Motherboard

**Chapter IV Conclusion and Suggestion**

This chapter contains a description of the conclusions and suggestions were given by the author which is derived from the author's thoughts about Motherboard