CHAPTER 3

METHODOLOGY

3.1 Introduction

This chapter will cover the details explanation of methodology that is being used to make this project complete and working well. A good explanation will give more information about how the methodology can accomplish a perfect result. Methodology is very important because it can influence the result. DC motor speed controller project is consist hardware and software development.

3.2 Research Methodology

Conclude research to make the project much easier to understand then easily to integrate from hardware development into software development. Research methodology also shows the basic or maybe full concepts of the how the system is works. Figure 3.1 show design concepts of research methodology.

i. Literature Review to understand the concepts and functional of the project.

ii. Understand the whole system of hardware and software in sequences.
iii. Design the circuit and build the program.
iv. Testing the system functional.
v. Combining of both software and hardware system.

Figure 3.1: Design Step of work methodology
3.3 Hardware Implementation

Figure 3.2: Motor Driver L293D connect with Arduino Uno

Figure 3.3: POT10k, command connect A0, blue 5V, orange ground