

WATER TESTER WITH SECURITY ALARM

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ABSTRACT

Water Tester with the Security alarm is designed to restore and maintain the chemical, physical and biological integrity of our nation's water. The mission of this program is to maintain and improve the quality of our streams, lakes and ground water for the benefit of present and future generations.

In this thesis, we use infrared receiver and water tester sensor to make a new detection by combining both circuits. This project can be use at many places. As an example we can put it in the river to detect water pollution. This project also can be put in swimming pool to make sure the quality of the water. It can give benefits to agricultural sector too.

This project will operate when the sensor get result of the water are bad. That's means the water are polluted. Then, the speaker will give a sound. From the sound, we can know the water had been polluted.

The project that we made just use a small budget to complete it because it is just a sample. It may be use a big cost to reliable it to a big structure plan that mentioned above. Although it will expend a big budget, we believe that it will produce many advantages.

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND

The Water Tester with the Security Alarm is a simple project which combined of two circuits of water tester and infrared receiver. Actually, it can cost thousands of Ringgit to make it. But, as an alternative, we just combined both circuits to make it as a sample. The components that we needed are transistors, resistors, capacitors, switch, and speaker. The Water Tester with the Security Alarm has proven different from another project. This project will make our life become more perfect because it has many advantages. It is also proven different to our country development.

Plan of development

1) Groundwater Protection

Planning permission will not be granted for any development that would lead to the infiltration of harmful pollutants into groundwater resources (and particularly within protection zones as defined by the appropriate government agency) from which public or private water supplies are drawn, without full protective measures to prevent the infiltration.

2) General Availability of Water Services

Provision for major development will only be made in those areas where adequate water services are available or under construction or to which such services can be efficiently extended (if necessary in phases) without significant environmental damage.