

INTRODUCTION

Background

The pond is a land that is made to accommodate a certain amount of water so that it can be used for the maintenance of fish or other aquatic animals. However, in everyday life people keep fish still very less concerned with the quality of water from the fish pond. As for the maintenance of fish should pay attention to some parameters used to determine the quality of water used. This happens because it still uses the manual way of seeing the watercolor from the fish pond until it is cloudy or dirty. So do not know when the person should be draining or replace the fish pond water.

Thus, to overcome this, the instrument is formulated to monitor the quality of water, the water turbidity of the fish pond. With this tool, the person does not need to use the manual way back, because the tool will monitor or detect the PH level, turbidity of water in the fish pond, so that if the PH level, the water turbidity is not in accordance with the standard in This tool will automatically drain the fish pond water.

This Project uses Arduino Uno as a microcontroller, the PH sensor used to detect water quality, the Turbidity sensor to detect the water turbidity level of the pond, Ultrasonic sensors to measure the water volume distance from the pond.

The purpose of this project is to monitor water quality, water turbidity in fish ponds.

Scope

Questions asked regarding the last chapter of the conclusion section.

1. Can this tool be more useful than using the manual way?
2. Can this tool save you more time-draining than draining using the manual way?

Objective

The goal to be achieved from this project is to create a tool that is used to drain water on the fish pond automatically by monitoring water quality, water turbidity.

