MULTIPURPOSE FISH FEEDER

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ABSTRACT

People nowadays keep freshwater fish as a pet in house. However people gets busy with their work or on vacation often neglect their fish. As the result the fish might die. Therefore, some innovation have made to solve this problem. Automatic fish feeder help to give the food to the fish automatically. This project are more systematically and flexible to aquarist. The construction of this invention is intended to produce a machine that automatically feed fish using Arduino. Development of this project involves electronic, electrical and mechanical. The LED was represent as the timer to alert aquarist on the rotation of time that the fish is been feed, a LCD function to display that the fish has been given food and a servo function to rotate on specific time that have been programmed to drop the food. This device allows the feeding to be more systematic based on time that has been set and display when the fish have eat. The fish are feeding a small portions of food based on the set time.The results, it functioning well and has achieved the objectives of the construction of this invention. With the development of this invention it help to keep the fish longer as it been given food on time and more easy for aquarist to check up their fish either it have been given food or not.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

This chapter explain about the background study, problem statement, project objective and scope of study. Besides, this chapter also consist of project contribution

1.2 Background study

People who own pets have been known to lead longer and happier lives than those without pets. However, owning a pet forces one to take on the responsibility of keeping it alive. One's pet must be fed and kept healthy.

There are many animal that can be make as pet such as cat, dog, fish and etc. The best pet are fish because fish are easier and less expensive to feed and care rather than other pets, however, they do require a proper environment and knowledgeable caretakers.

The type of fish that are normally been keeping as a hobby can be divided into three : freshwater, brackish, and marine. Among this three, freshwater is the the most popular because it is easy to handle.