

PROJECT TITLE

SPECIAL BAIT

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“I declare that this report entitled “*special bait*” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

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ABSTRACT

Nowadays, some of the fisherman have problem catching the fish. This problem will make them to spend more time and money in order to get fish. This 'Special Bait' project is created to help the fisherman to reduce this problem. The specialty of this bait is it can attract the fish to be gathered at this bait. Most of the fish like to play around and gathering at the coral reefs. This factor had inspired the idea of this project and applied it into electronics devices. The bait operates by using the microcontroller with LED. The colorful of LED such as green, yellow and red can present the coral reefs. Besides, the LED blink randomly as seen as the fresh bait. Based on the research, the color of light is also very important just as it is with fishing lures. Different colors of light travel further underwater than others in different conditions. Changing from white light to green light to blue light could make all the difference in the world from the eyes of a fish. Besides, all fish need at least some light to see in water. They have to see in order to feed and to school (to swim in a school). We call a lot of fish school when they swim together in one direction. Lights are used in both freshwater and saltwater and saltwater. Other than fish, squid also one of the species that attract to light. This is because, lots of squid are also caught by attraction of light.^[14]

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