ABSTRACT

Kolong pigeon is one of the cultures as well as hobbies and professions in Indonesia whose development from 2000 until now can grow rapidly and the price of the Kolong Pigeon itself is now average from thousands to billions of rupiah. Considering the price of the Kolong pigeon is increasing and the need for good security, it is necessary to make a monitoring system for the Kolong Pigeon that is useful to minimize the possibility of pigeons.

The creation of a monitoring system for Merpati Kolong is very effective in tracking the exact location of the missing pigeon. By using GPS connected to the website, the tool is attached to the pigeon's back with a small belt and if the pigeon is lost in sight it can send a message via the website through a format that has been previously set and the tool will automatically send the pigeon's location on the spot. via google maps on the message site at.

From the results of tests carried out to find out the performance and work of the device, get the results of the power consumption of the device of 10 watts, so that with the battery used the device is able to work for 30 minutes. In addition, from testing the accuracy of the location accuracy, the average distance between the data sets compared to the actual location is 10.23 meters. Meanwhile, to delay sending data from the device to the website is 5.2 seconds.

Keywords: kolong pigeon, GPS- Tracker, Website**.**