

A Historical Review of the Sky in Yokohama 1965 to 2014

*Rikako akai¹

1. Yokohama Science Frontier High School

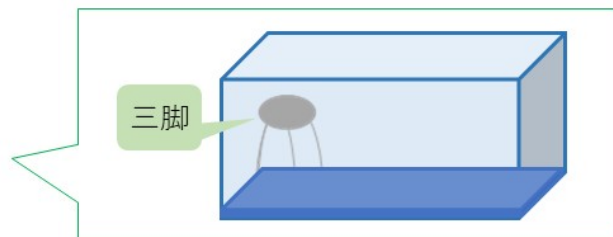
This is the research of climate change in Yokohama to solve environmental issues in Yokohama.

First, I analyzed weather data of 1965 to 2014 in Yokohama. As a result, I found 4 points; the rise in the temperature and humidity; the increase in cloud cover and precipitation and the number of days of thunderbolts; the decline in the greenery rates; the decline in the number of days of fog. We can think these are because the temperature was raised. Because of these results, I thought the heat island phenomenon has been occurring in Yokohama.

Second, I thought making cool spots is the best idea to provide effects of the heat island phenomenon. So, I did an experiment to know the efficient way of locating cool spots. From the results of the experiment, I knew that putting cool spots separately is the efficient way. In the future, I want to continue this experiment and looking for the places to put cool spots in Yokohama by using actual maps.

Keywords: Climate Change, The Heat Island Phenomenon , Control Experiment, Environmental Measure

実験のイメージ



クールスポットのモデル

