

Deer and littering in Nara

1. Motivation behind Research Paper

In recent years, human civilization has built, produced, and consumed many things. It has changed our life richly but it has also caused a lot of harmful effects, for example, global warming, destruction of the environment and the depletion of natural resources. We researched these problems in our Global Studies class where we encountered the 17 Sustainable Development Goals (SDGs). Therefore, we think high school students can contribute towards solving these problems. So first, we researched the status quo of Nara City. There is a lot of beautiful nature and historic monuments, so many foreign people visit the prefecture. According to the deer protection society in Nara City, there happens to be a lot of illegal throwing of garbage by tourists. Deer swallow garbage by mistaking it for food. It's a serious problem.

2. Introduction

We researched to solve the problem of deer eating trash and the negative impact on the environment. According to the deer protection society of Nara, deer end up eating whatever they see that smells good. In the past, a lump of vinyl weighing about 3.2 kilograms came out of the stomach of the dead deer. So we thought about how to reduce the damage caused to deer in Nara. Then, we asked two questions to the deer protection society of Nara. First, can trash bins be installed

in Nara Park? Their answer was no, because there are problems with human resources and labour costs to collect the trash bins. Second, what are the most effective measures to protect deer from eating garbage? We got advice that awareness-raising activities such as garbage pick-up campaigns, billboards, and posters are most effective.

Sources and data collection

The data collected for this study will include online sources and interviews with the Deer Protection Society of Nara.

3. Results and Analysis

A poster was created to help Nara Kokusai students understand the problems that Nara Park deer face with trash. We believed that awareness was an important first step before changing behavior. The research group created two posters. Centered on picture and centered on letter. The posters were put up in front of the entrance of the school, and one week later, a questionnaire was given as to which poster was more impactful.



Figure 1. Posters put up in Nara Kokusai High School

The results of the questionnaire showed that more than 80% of people said posters with pictures are easier to see. Based on the results, we tried to create groundbreaking posters. In addition, we thought of a place to hang posters. So we thought of the area around tickets, Kintetsu Nara station.

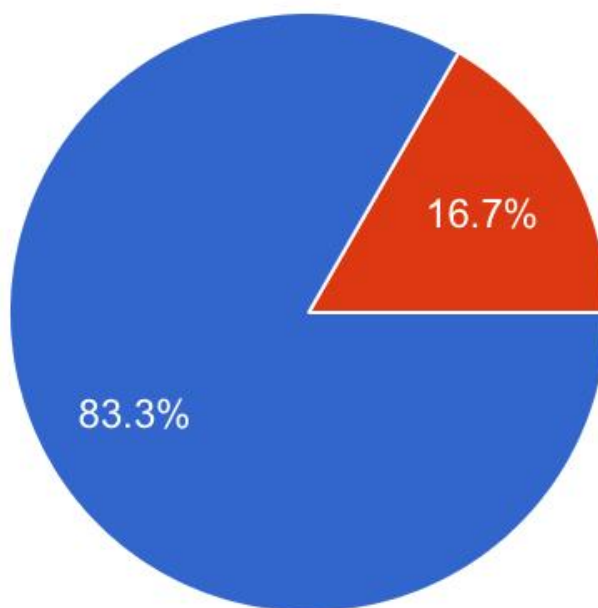


Figure 2. Graph showing the response to the question "Which one do you think will catch the eye of people who come to Nara Park?"

4. Conclusion and Future Problems

We thought enlightenment activities are the best way to protect deer in Nara Park. From the results mentioned in this paper, we thought the best effect is easy to understand everyone and enlighten people close to the station. But we couldn't take action. Now, we won't continue to research. However, we will continue to be conscious of our surroundings.

5. Reflection

There were some problems and reasons for not being able to implement what we thought. Nara's deer are different to normal wild animals, as they coexist with people. Nara's deer respect us. So they achieved coexistence early. Next, we should change our souls. And we thought the best plan was posters. But this problem can be improved easily. If impossible take away garbage. We will like to be conscious every time.

6. Work Cited

Mari, Usami, "Japan Veterinary and Life Science University." 11 Apr. 2015, 5 Aug.2022.

<https://opendata-web.site/>