

# *AOTULE Summer Program 2018*

Green Energy, Environment & Sustainable Infrastructure

from 01/08/2018 to 18/08/2018



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## 1. Abstract of this program

I participate in AOTULE Sumer Program 2018 at Institut Teknologi Bandung (ITB) in Indonesia from August 1 to August 18. The theme of this program is Green Energy, Environment & Sustainable Infrastructure. This theme is not my specialty. But, I can understand the theme due to detailed explanation. And also, I understand the necessity of sustainable society.



**Figure 1** Group photo of all participants

ITB is the best university in science and technology in Indonesia. Since it was established in 1920, many important people for Indonesia such as President Soekarno were graduating from ITB. In the campus, there are many traditional and unique buildings.



**Figure 2** Traditional building at ITB

## 2. Class of this project

Class of this project can be divided into three parts; Lecture, Indonesian Language and Group work.

### a. Lecture

There were 13 lectures about Green Energy, Environment & Sustainable Infrastructure in this project; Introduction to Geothermal Energy, Topic on Wastewater Treatment for Electricity, Topic on Natural Coastal Protection and so on. Lectures are basically divided into two parts. In the first part, participants take a lecture by professor or doctor student about 90 minutes. After coffee break, in the two part we visit laboratories and watch equipment. The lectures include basic content. So, I was able to understand from the beginning. I could have an interest to sustainable society. I would like to make the most of what I have learned.



**Figure 3 Equipment of wind turbine**

### b. Indonesian Language

In this program, we took lecture three times about Indonesian Language. In the class, we studied basics of Indonesian language such as number and self-introduction. Not only the teacher but also ITB student teach us the language. It is said that Indonesian language is easy to acquire. I was not familiar with the language. But, I could acquire little and I could buy of my dinner by Indonesian language.



**Figure 4 Lecture of Indonesian language**

### c. Group discussion

In the final day, I gave a presentation which I discuss with my group member. The topic is to make sustainable town. The theme decided only the framework, so there were many ideas depending on groups. In my group, there are three theme; green, river and farm. In our village, do micro hydro power with river and make many crops to export. Name of our village is “Mikachu”. Combined with famous character, the reputation from other students was good.



**Figure 5 Giving a presentation**

### 3. Activity in free day

In free day, one ITB student hold a home party. In the party, he and his friends made Indonesian traditional foods. They were delicious for me. In the we talked about traditional foods in our home country. I explained “Ohagi”. They had not eaten ohagi. If they come to Japan, I promise to treat Japanese traditional foods such as ohagi. In another topic, we talk with Japanese culture. ITB student shows their interest to Japan. I could not reply some questions about Japan. I learned it is important to understand my own country to make friend with foreign people.



**Figure 6 Home party at ITB student house**

#### **4. Impression**

What I felt strongly through this program is the need of raising my English skill. I think English education of Indonesia is developing compared with Japan. This is because not only ITB students but also some go-jek drivers (go-jek is a kind of taxi in Indonesia) can speak English well. I often failed to communicate with those people due to my poor English skill. In the future, I will get an opportunity to work with foreign people. In the opportunity, to work well I must raise my English skill.

I also had many other experience such as religion, heavy stomach ache and so on. I will never forget a lot of things I learned in this program. Taking advantage of this experience, I will study and research harder than before.

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