

TWINCLE PROGRAM ~Group F~

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Abstract

We went to Institute of Technology Bandung (ITB) in Indonesia which is at the western part of Java Island, from 2nd to 15th of September under the TWINCLE program. The program promotes Chiba University students to be more attractive in the world. We have conducted classes on science and Japanese culture to high school students at SMA N 2, SMA N 8.

In this report, Science Lesson about “Electronic paper”, Japanese Culture about “How to use Rice”, and “Life in Bandung” including Nature, Traditional Cultures and New Cultures are discussed.



Science Lesson

Lesson objectives

- Understand some usages of “Electronic paper” through the experiment
- Encourage them to create the next generation of science

Flow of the lesson

- 1 Introduce Displays in our daily life
- 2 Learn about “Electronic paper”
- 3 Experiment “Make Electronic paper”
- 4 New technology of display
- 5 Think about new display
- 6 Conclusions

Experiment

The students made “Electronic paper” and saw switching image from gray to black or gray to white.
Materials: Electrode, Liquid, Battery, Cord, Capillary



Results and Discussions

This science lesson considerably attracted the high school students. They could understand “Electronic paper”, and share their insights about displays in our daily life and new display.

Japanese Culture

Lesson objectives

- learn the spirit of “MOTTAINAI”.
- think about the issues about waste management in Indonesia.

Flow of the lesson

- 1 Show the result of our development and recent of Japan.
- 2 Teach the ancestor’s wisdom about utilized all part of things.
- 3 Experiment “Make WARA Horse”.
- 4 Message for Indonesia.

Experiment

The students made “WARA Horse” which is a Japanese traditional craft.
Materials: Rice straw which are produced in Indonesia.

Results and Discussions

The students could learn the Japanese ancestor’s wisdom and recent issues about waste management in Japan. We could convey to them the importance of “MOTTAINAI” spirit.



Life in Bandung

Nature



We grew fond of Indonesia’s natural environment such as a big volcano and beautiful hot springs. We also saw many rare animals at a zoo; some of them were endangered species.

Traditional Cultures



We learned about many traditional cultures in Indonesia including music, dance, and art. ITB and UPI students taught us how to play some music instruments and how to dance. It was a little difficult for us.

New Cultures



We went to a design company. The company was established by three persons. Now there are many persons and they sent their products all over the world. Their products are widely known.

Conclusions

Results

- We were able to **introduce** Japan or Chiba University as **attractive existence** for and Indonesian high school students.
- We **acquired** some skills for **global education**.
- We were able to **deepen respect and the understanding between two cultures** through our experience.

Implications for future activities

- Our **English skill** should have been **improved more**.
- Mock lessons, practices of performance, and experiences in real classes were necessary.

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