# Unit L in wonderland



Duration: 8/25 – 9/4 2015

University: Institut Teknologi Bandung

High school: SMAN 1 Bandung, SMAK HOLIS

Tokuyuki Koh1Atsushi Tamura1Yuki Sato2Daichi Shimozono31: Graduate school of Engineering2: Faculty of Education

<sup>3</sup>: Faculty of Law, Politics and Economics

## Science Lesson

"The principle and the future of the Organic Electronics"

### **Objectives**

★ Understand how Organic Electronics will work for our future.

★Know the concept of "luminous phenomena" by the experiment using vegetables.

## Japanese culture Lesson "Japanese famous things"

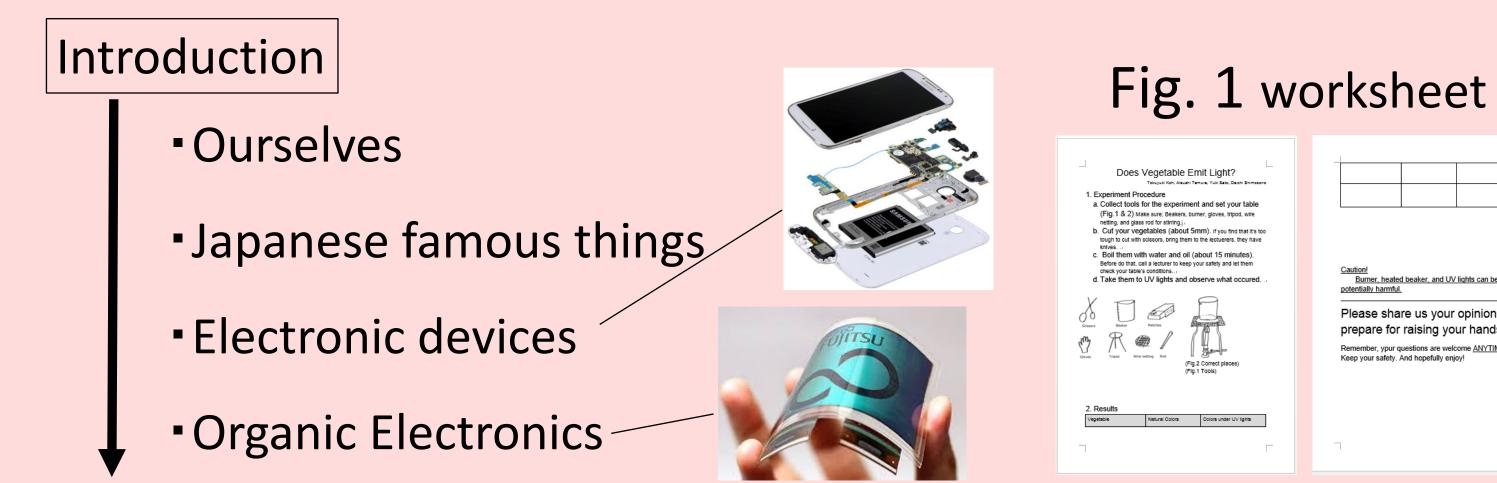




Yurukyara "Chi-ba kun"

Kinkakuji in Kyoto

#### Contents

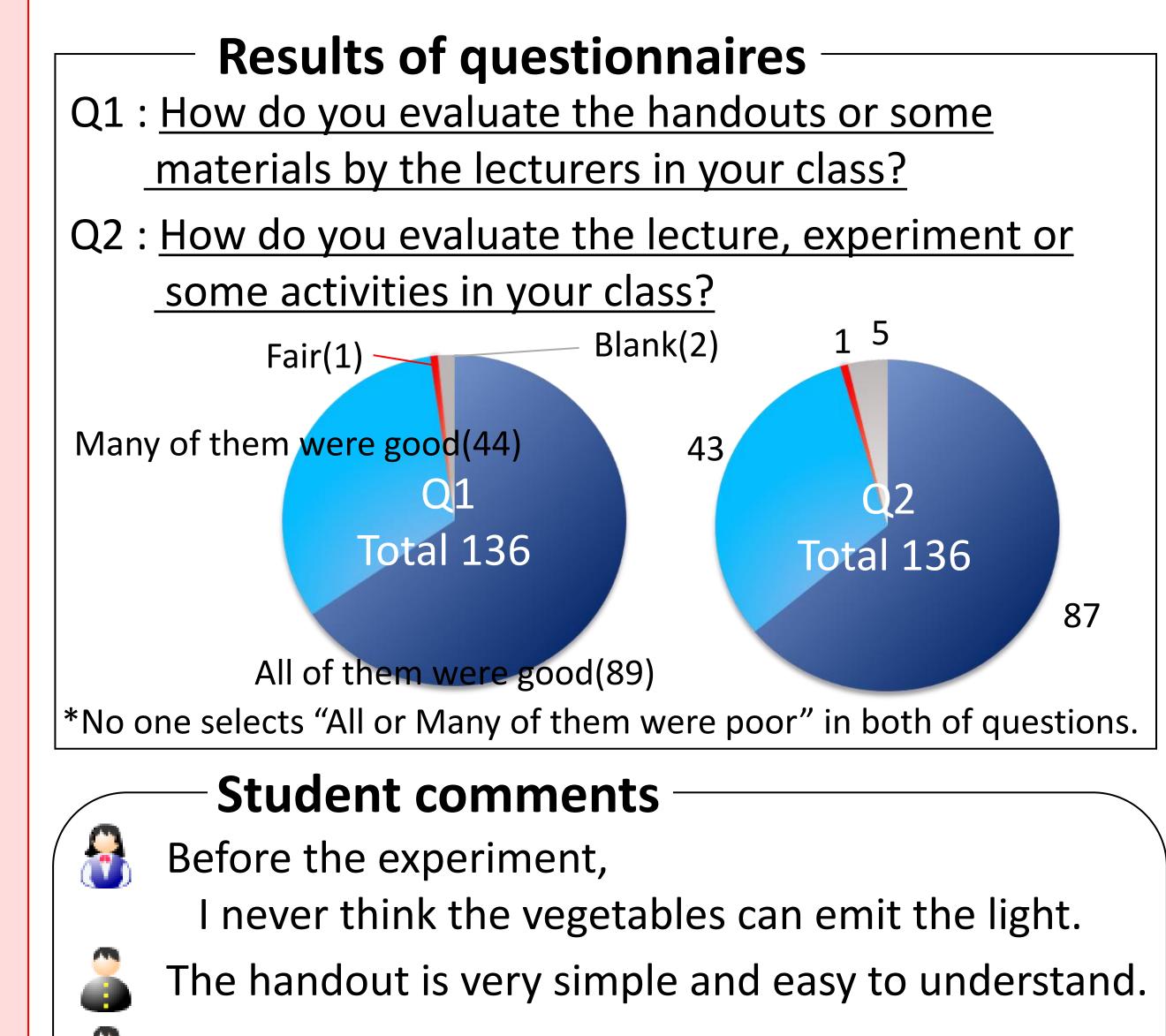


#### Experiment

Observation luminous phenomena with heating vegetables

 (By heating vegetables, Vitamins are extracted in the solvent.)
 (Raddiated UV light to the solvent, the solvent emit the light. )





The principle and the future of the Organic Electronics

A description of the Organic Electroluminescence (=Organic EL)
 ( The luminous phenomena in previous experiment is used in Organic EL. )

- Emission principle of Organic EL
- Benefits & Defectives of Organic EL
- The future of the Organic Electronics

## **Devised points** made it easy to see.(Fig. 1)

✓ We created worksheet indicates what students should do in the experiment.
 ✓ We tried to raise a students' question

"Those familiar of vegitables might be shine!".

I'm so excited because I love science.

Sometimes I don't undersatand because of their accent.

### Our impressions to see questionnaires -

We are glad because many students favor our class and realize some invents.

But it's difficult to get native people to understand our words without practicing characteristic accent of each countries.



## Achievements & Challenges

۲.

We had problems with pronounce and vocabulary.

It is certainly important for us to make opportunities to talk English actively, especially it is necessary that we ourselves begin a conversation in various kinds of English.

One weekend we visited Tangkbuan Parahu volcano. We are impressed to see the volcano that has magnificent view.

Besides, we visited waterfall and hiked the mountain. The nature around the mountain was just beautiful. Two pictures were taken in the volcano and the hiking trail near the water fall.

In Indonesia, we have spent a lot of time with ITB students.

② We understood their culture and they seemed to understand our culture. However, to understand each other in more depth, we should know more about our own country.

We learned importance to make a schedule management thoroughly. Schedule management is very significant to our lives ,so it should be done from now on.

**Evaluation of our experience and how to make use of that** We are realized the immense values in shared study, knowledge and way of thinking. And English can be very useful tool for communication to share that.

We are feeling that we should acquire English to tell.