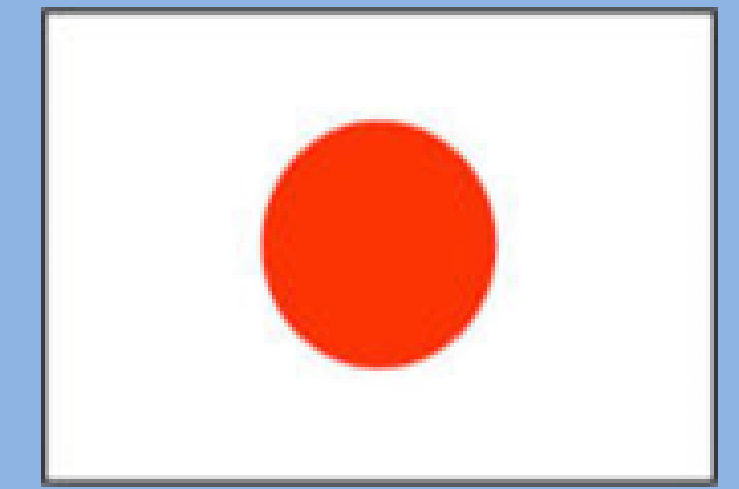


Bali



Group : Unit 0

Member

- Ikkei Sakuraba (M1: teaching method of science, faculty of Education)
- Tatsuya Yamamoto (B4: technology education, faculty of Education)
- Nami Suzuki (B3: elementary school English, faculty of Education)
- Yumi Iwai (B1: biology, faculty of Science)



Associate high school

SMA NEGER 1 DENPASAR
SMA NEGER 2 DENPASAR



Period of stay

2. 3. 2015 ~ 13. 3. 2015

Associate university

Udayana University (Bali, Indonesia)

1 Lesson contents

introduction

- Simple, easy and used real and local vegetables
- let students touch



Interactive activity

- compared a view of human and insects
- asked questions one by one



Share and Summarize

We summarized each group's rankings of color strength and toughness.

We shared the observation



Experiment

- We did three experiments

Experiment 1

Extraction of leaf chemical

Experiment 2

Measure the toughness

Experiment 3

Examine of the surface of leaves



Introduction of our research topic

- Strategy of plant's defense
- Co-evolution between Brassicaceae herbs and Pieridae butterflies

< reaction from students >

- focused on listening to our explanation
- got interesting in leaf's surface structures
- some part of explanation is too easy for them
- some other part of it is too difficult for them

Schedule

- 2.3(Mon) : arrived at Denpasar, Bali
- 3.3(Tue) : welcome ceremony and presentation at Udayana Univ. welcome ceremony and prepared lesson at SMA2
- 4.3(Wed) : lesson at SMA2
- 5.3(Thu) : lesson and farewell ceremony at SMA2
- 6.3(Fri) : welcome ceremony and prepared lesson at SMA1
- 7.3(Sat) : Full day tour by Udayana Univ.

- 8.3(Sun) : visited Tanah Lot temple
- 9.3(Mon) : prepared lesson, visited mangrove forest
- 10.3(Tue) : lesson at SMA1
- 11.3(Wed) : lesson and farewell ceremony at SMA1
- 12.3(Thu) : prepared final presentation, visited Sanur beach
- 13.3(Fri) : final presentation and farewell ceremony at Udayana Univ.

departed to Japan

2 Impression of students from us

- Had a strong interest in learning** this was their first time to learn about this lesson topic, however they were eager to do activity and asked us many question.

- Tried to get new knowledge** they were concentrating on listening to our explanation of the recent research topic.



- Expressed own opinion very well, and Share it with others**

They presented what they think about task in the lesson. They could consider their result of experiments, and discuss with other students who had a different opinion.



From our observation of them during the lesson, their most important advantage is that they know they can do anything if they try hard whether it is difficult or not.

3 Impressions and Opinion from students

	How do you evaluate the handouts or some materials by the lecturers in your class?				How do you evaluate the lecture, experiment or some activities in your class?			
	SMA2 (3/4)	SMA2 (3/5)	SMA1 (3/10)	SMA1 (3/11)	SMA2 (3/4)	SMA2 (3/5)	SMA1 (3/10)	SMA1 (3/11)
all of them were good	32	34	22	22	30	33	22	25
many of them were good	7	6	14	8	8	6	15	5
fair	0	0	4	0	0	0	3	0
many of them were poor	0	0	0	0	0	0	0	0
all of them were poor	0	0	0	0	0	0	0	0
no answer	1	0	0	0	2	1	0	0
total	40	40	40	30	40	40	40	30

Impressions from students

- Many students say...
 - "This lecture is very interesting because I could do some experiment that I've never done before."
 - "I want you to give us more knowledge."
 - "I like the lecturers because they are always smile and kind."
- Some students say...
 - "I have some problems with the language. So I think I have to study English more."
 - "Some lecturers English were not good. So sometimes, I couldn't understand what you said."
 - "It would be better if there were videos to explain the experiments in the presentation."

4 Problems of the class

A long experiment time!

Difficult explanation

- omitted the explanation of the experiment
- showed the demonstration in explanation
- changed English expressions more easily

The making of group

- Changed the number of groups (5→8)
- Reduced the number of group member
- Made the group around the desk

A few experimental tools

- Increased the number of experimental tools
- Shared the experimental tools in the group

5 What to do next...as a teacher

Sharing a clear purpose

Think about **the same achievement** as a group activity:

why do we do this?
What do we want to share?

Improving a way of conveying

What ability is **not enough**:
volume of voice, gesture, face expression, language skills, etc

Having flexibility

Focus on something **changeable**:
words, materials, a way of grouping, etc > climate, the number of student...

We tried many Balinese food and experienced Balinese cultures !!



Through all experiences....

We touched the hearts of Balinese people...we had a full of kindness, a warm smile, hospitality, broad-mindedness, and a big corporation from them! Suksma, everyone!

