

(For JSPS fellow)

Form 3

Date (日付)

22 / 05 / 2011 (Date/Month/Year:日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

Fellow's name (参加外国人研究者氏名): Surawut Chuangchote (ID No. P10079)

Participating school (参加機関(受入学校名)): Gizan Senior High School, Gifu

Date (実施日時): 20 / 05 / 2011 (Date/Month/Year:日/月/年) Time: from 14:00 to 15:45

Lecture title (講演題目): (in English) Various Kinds of Solar Cells

(in Japanese) いろいろな太陽電池

Lecture summary (講演概要):

The lecture presentation (40 minutes) consisted of five main parts: 1) where am I from? (introduction to Thailand); 2) why do I study abroad? (international study); 3) introduction to solar cells; 4) nanofibers for solar cells; and 5) conclusions. In the first part, Thailand, my home country, was introduced. The students then knew basic information, capital, religions, language, monarch, foods, fruits, and festivals of Thailand, as well as comparisons with Japan. The second part of the lecture was a brief reason why I have studied abroad in Japan to inspire the students with international study. In the next part, basic knowledge and technical terms of solar cells was introduced to build a background for the last part of lecture. In the fourth part, my present works in the field of "nanofibers for solar cells" were briefly presented. In the last part, the lecture was concluded. The students then took a rest in 10-minute break. After the break, actual samples of various kinds of solar cells were demonstrated and their fabrication techniques were shown (by video). Lastly, a quiz game with 10 questions from me was carried out.

Language used (使用言語): English (with Japanese translated in PowerPoint slides)

Lecture format (講演形式):

○Lecture time (講演時間) 60 min (分) (presentation 40+demonstration 20), Q&A time (質疑応答時間) 35 min (分)

○Lecture style (examples: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、プレ実験など))

used PowerPoint slides with 1) demonstration of real examples and applications of solar cells and 2) a quiz after Q&A

○Interpreter (example: assistance by host or colleague, provided Japanese explanation by yourself)

(通訳 (例: 受入研究者によるサポート、外国人研究者本人による日本語説明))

provided Japanese explanation by myself

Name and title of assistant (協力者 職・氏名) (example: host or colleague)

none

○Other note worthy information (その他特筆すべき事項):

- I appreciated Japanese students. Some part it was quite hard to understand but they tried to think. When I asked questions, they also tried to answer.

- After Q&A time, I held a quiz game with 10 questions. The student who could answer each question received a Thai souvenir. It was a funny time. Many students intended and interested to that game. It is one way to represent all contents of the lecture again.

Impressions and opinions of assistant (協力者から本事業に対する意見・感想等がございましたら、お願いいたします。): -