

## COMPLETION REPORT

### Development of Japanese Language Mobile Course for Indonesians

Dr. Saida Ulfa

Lecturer

Faculty of Education

State University of Malang

Indonesia

In order to anticipate the limited time of learning a Japanese language in the class, a proper learning method is required. The method is expected to be able to facilitate the students learning with high intensity, across time and space.

Providing supplemental learning materials through a mobile device is not enough to address the problem. Another question could arise concerning it, will this supplemental learning enable to engage the students to learn or will it make the students to be more motivated to learn? Since motivation is a key in learning. The researchers stated motivation is one of the key factors that influence the rate and success of second language learning. The motivation concept in classroom is adopted in the learning which delivered by technology rich-context.

The participants of the research were 32 students of public Senior High School VIII Malang, East Java Indonesia who were taking the Japanese class. In order to provide the suitable mobile Japanese language course that can enhance learning, the research consisted of two main activities, namely developing mobile learning system and improving the learning strategy in mobile learning by applying cyclical action research.

The cyclical action research was implemented in two stages. The average of students test in the first and second stage were 50.79 and 79.9, respectively. It showed the increasing of students achievement from stage one to stage two. Most of the students strongly agree and agree that the mobile application enables the students to learn everywhere and every time and they used this mobile course during their leisure time.

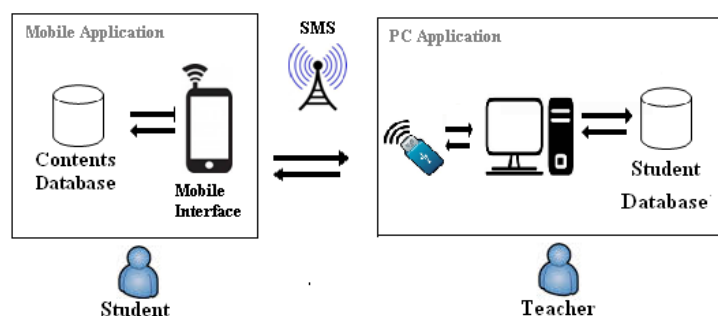


Figure 1 Framework of Mobile Japanese Language Course

The improvement of learning strategy in the second stage was to equipping the mobile course system with augmented feature by utilizing SMS (Short Message Service). There are three applications for this course (see Figure 1), SMS gateway, student and teacher application. The application of student is installed on mobile devices, the devices should categorized as Smartphone or tablet which running on android. The teacher application is installed on personal computer (PC), it contains students' databases. The SMS gateway enables the computer to

send and receive SMS to mobile phone.

Student application provides learning materials and teacher application provides supervisions for the students. For supervising the students' activity, the mobile learning was equipped with student's attendance check list and exercises check by using this SMS system. Whenever the students open the course, the system will automatically send the teacher/instructor SMS, this SMS will be used as a counter of student attendance. On the teacher application side, this counter will be stored in the students' databases. When the students do the exercises on their mobile device, the system automatically convert it as SMS and send their answer to the teacher. The augmented feature enabled the students to be more motivated to learn.

Based on the teacher application where it recorded the students' activities including students attendance checklist and drills/exercises. It showed the increasing of the students engagement in the learning. It revealed that this mobile Japanese language course was effective to enhance learning.

#### Publication of the Results of Research Project:

Verbal Presentation (Date, Venue, Name of Conference, Title of Presentation, Presenter, etc.)

International Mobile Learning Festivals 2014 in Bali, Indonesia. 2-5 June 2014

Title: Development of Augmented Japanese Mobile Japanese Language Course for Indonesians

Presenter: Saida Ulfa

(Paper was accepted as an oral presentation and published in conference proceedings)

Thesis (Name of Journal and its Date, Title and Author of Thesis, etc.)

Journal Name: Educational Technology Journal, Educational Technology Department, Faculty of Education State University of Malang Indonesia.

Title: The Implementation of Mobile Japanese Language Course through Synchronous Mode

Issued : October, 2014

Book (Publisher and Date of the Book, Title and Author of the Book, etc.)