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The Implementation of an Integrated Academic Information System (SIKADU) to Improve Academic Service at the Faculty of Economics Semarang State University

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Abstract - **The aim of this research is to know how the implementation of integrated academic information system (SIKADU) to improve the academic services at Faculty of Economics Semarang State University and to know the data organizing in SIKADU. This study is a qualitative research in which data are collected through documentation, observation, and interviews. The results showed that: (1) The implementation of SIKADU can improve the effectiveness and efficiency of the academic services, (2) The data organizing in SIKADU include registration systems management and scheduling system of lectures, management Study Plan Card (KRS), lectures monitoring, organizing students academic achievement, student guardianship and registration of graduation.**

Keywords - **Information System, Academic, Services**

I. INTRODUCTION

Semarang State University began in 2007 using information technology and communication in the academic field to increase services to students. The service in the form of an online service called the Integrated Academic Information System (SIKADU). Before using an online service, Semarang State University using computerized technology based academic services, which began in 1984 [1]. SIKADU initially used only in the judicium service but later evolved into other academic service includes registration, card contents study plan, scheduling lectures, lectures monitoring, student guardianship and registration of graduation [3]. SIKADU presence is intended to improve academic services to students.

II. THE IMPLEMENTATION OF SIKADU AT FACULTY OF ECONOMICS, SEMARANG STATE UNIVERSITY

The implementation of Integrated Academic Information System at the Faculty of Economics, Semarang State University include booking of subjects, academic registration, schedule of lectures, study group system, graduated, and validation of the academic achievement. The application of SIKADU according to students, lecturer, and department manager at the Faculty of Economics Unnes, implementations of SIKADU have advantages and disadvantages.

The advantages of the SIKADU application, including: 1) students facilitate in booking courses, 2) students at the time of academic registration should not come to

campus but accessible outside Unnes, 3) students can choose courses, space, day, study group, and hours are convenient because it is available in SIKADU, 4) students can organize their activities because there is a choice study group, 5) students can see the results of his study where he is by accessing SIKADU, 6) students can take care of transcripts quickly and accurately.

The disadvantages of the SIKADU application, including: 1) student difficulties to access SIKADU when SIKADU busy, 2) students can not charge the card of the study plan if a specified time limit runs out, and 3) students do not miss study group because the number of study group not in accordance with the number of students take. Although there are still shortcomings in its implementation but based on observations and interviews with students, lecturer and department managers, overall implementation of SIKADU can improve the effectiveness and efficiency of academic services at the Faculty of Economics Unnes. As for the view from SIKADU Semarang State University can be seen in Fig. 1.
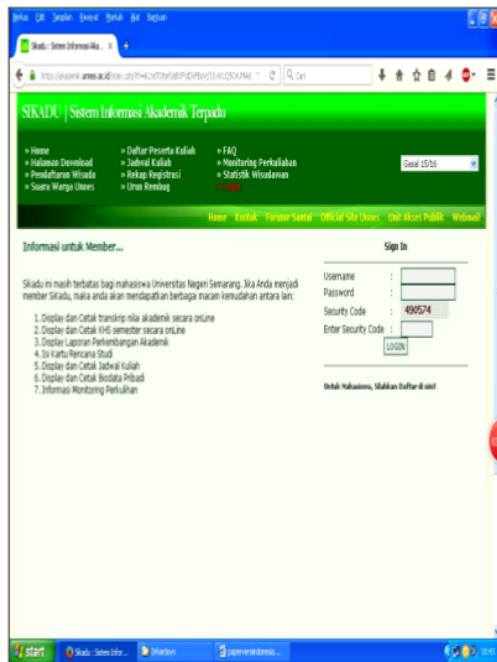

Fig 1. Sikadu of Unnes Display

III. THE DATA ORGANIZING IN SIKADU

The implementation of the online system within an organization will be able to improve the effectiveness and efficiency of service to customers [4]. Integrated academic information system is intended to improve academic services to students. Students do not have to come to the campus during registration and judicium they can access in each their areas. Charging cards revised study plan and study plan card can also be done outside Unnes.

Integrated Academic Information System (SIKADU) Semarang State University is a web based information system that is built with the aim of organizing the academic data in a University/College online [2]. The data organizing management system shall include the registration and scheduling system of lectures, management Study Plan Card (KRS), monitoring the course, organizing student grades, graduation registration handling and much more. SIKADU can be accessed online through the Internet in accordance with pages that have been determined by each institution education providers. As an example of a lecturer menu and student menu in SIKADU can be seen in Fig. 2 and 3 below.

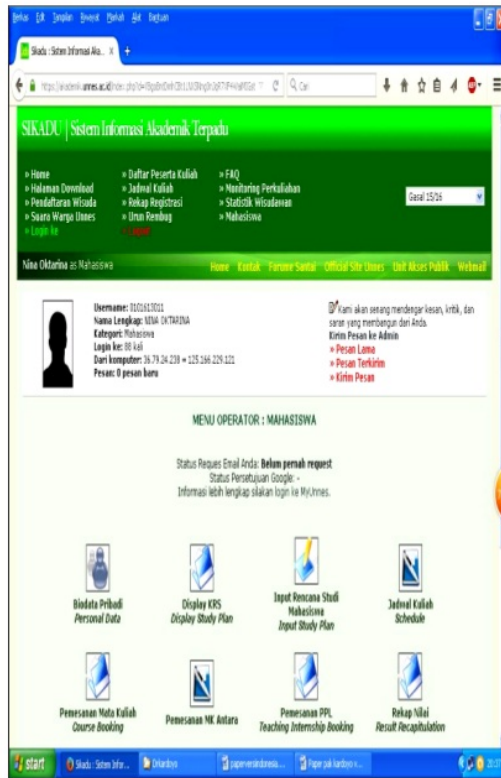**Fig 2.** Lecturer Menu in Sikadu

Fig 3. Student Menu in Sikadu

IV.CONCLUSION

The implementation of SIKADU can improve the effectiveness and efficiency of the academic services, the data organizing in SIKADU include registration systems management and scheduling system of lectures, management Study Plan Card (KRS), lectures monitoring, organizing students academic achievement, student guardianship and registration of graduation.

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