

# The Effect of Schoology Implementation toward Students' Autonomous Learning

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This study is entitled 'The Effect of Schoology Implementation toward Students' Autonomous Learning'. The aim of this study is to find out what the influences of the use of Schoology application as online based learning are toward students' autonomous learning, so that students can encourage themselves to have positive attitudes to learning and to be responsible and independent in their own learning. The research method used is qualitative description. The data was collected using observation sheets and documentation which was analyzed descriptively. The results of this study are that students are able to finish tasks and quizzes independently, engage in forum with their lecturer and access various online sources. Moreover, students are enthusiastic using the Schoology application because it is more up to date and is equipped with tasks, quizzes and forums and a lecturer is able to check students' presence online which does not exist in other platforms.

**Key words:** *Schoology, Learner Autonomy, Student Centered Learning(SCL).*

## Introduction

The development of technology is getting sophisticated. The advance of information technology brings positive impacts for the education sector. Therefore, learning methods need to be designed to integrate web-based learning with face to face learning. Face to face learning process is applied with student centered learning approach through collaborative work. This model engages student participation. Bernard (2017) suggested that new technologies like artificial intelligence and educational software have changed some aspects of education, in that they have transformed the field for students, restructuring the educator roles, developing changes in approaches to teaching and remodelling classrooms.

To design and implement online based learning, a teacher must be able to operate a computer skilfully and also be able to provide learning materials online which can be accessed by students wherever they are. This condition will motivate students to complete the tasks or engage in online discussion. Face to face learning interaction is still needed by students, yet the availability of Google classroom like Schoology which can facilitate the delivery of materials to students as a social network necessitates research.

In the Course menu we can make classes whose members are students we teach and activate class functions for teaching and learning such as discussion, questioning and announcements when lecturers are not present in class. Thus lecturers need to teach students to create a Schoology account with the student category and enter the access code given by the lecturer to enter the class that has been created in the Schoology application. By simply entering the access code, students can immediately become members in the class created by the lecturer. Further to this, schoology can also make a quiz / question students (this is not a capability that facebook has) which has many types, namely multiple choice, correct, match, short form and also imported questions. The advantage of online questions is that Schoology does not require student work be checked. Problems are usually in the form of assignments which can be done at home and the lecturer can only control from a distance.

Aside from questions / quizzes in the course, assignments can also be uploaded and lecturers can monitor and check the names of students who have submitted. Another very important thing about questions / quizzes and assignments, is that forums can be created regarding the course. The function of this forum is as a forum for discussion for students that lecturers develop. The other most interesting thing is that there is not a particular attendance date so that students work on the forum as they are able to access and within time constraints. Not all google classroom applications have a presence feature on the application. This is why this research about the application is interesting.

## **Literature Review**

The use of the internet as a learning medium conditions students to learn independently. "*Through independent study, students become doers, as well as thinkers*" (Cobine, 1997). Students can access online from various librarians, museums, databases, and get primary sources on various historical events, biographies, recordings, reports, and statistics, (Gordin ET. Al., 1995). Students can act as researcher, become an analyst and not just a consumer of information. They analyze voluntary information with social studies and conduct searches that are in accordance with real life. Students and lecturers do not need to be present physically in the classroom (classroom meeting), because students can learn teaching materials and teach learning and exam assignments by accessing a predefined computer network online. Students can also work with each other. They can e-mail each other to

discuss teaching materials. Then, in addition to working on learning tasks and answering questions given by the lecturer, students can communicate with their classmates. The development / progress of internet technology is very rapid and has spread throughout the world and is in use in various countries, institutions and by relevant experts for various interests including education / learning. Various experiments to develop software (application programs) that can support efforts to improve the quality of education / learning continue to be carried out. The School Management Learning System (LMS) has been used by various institutions in many countries for online learning and blended learning. Byrd (2013) listed the advantages of schoology including the easiness of use, security for student safety and the efficient tools and resources for teachers

### ***Use of the Schoology Application in Learning***

Schoology is a web-based social network that is used to allow users to create and utilizing Schoology as a Learning Medium has been show to in improving Learning Outcomes for students of English Language Study Program and Business Study Program and Widyatama University Management, and interacting and sharing academic content. This e-learning also provides access to lecturers and students for attendance, task collection, problem training and media learning resources that can be accessed anytime and anywhere and also provide access for parents to monitor the development of student learning on campus. (Farmington, 2014). As a medium that is expected to be part of a learning process in the campus, the internet must be able to provide support for the implementation of an interactive communication process between teachers and learners as required in a learning activity. The conditions that must be able to be supported by the internet are mainly related to learning strategies that will be developed such as the use of Schoology media in learning.

Based on the phenomenon of the widespread use of the Internet among students, Schoology can be a learning tool that can improve the ability of students to support the learning process on campus. Through Schoology, the tasks that have been completed by students can be uploaded and in discussion forums other students can comment to each other and give feedback to build better outcomes re networking. The role of the lecturer in building a learning culture through Schoology is very important. The motivation of each student to express his ideas through the Schoology media is inseparable from the support of the lecturer as a teacher. Lecturers can also direct students in discussion forums and through comments about the material or writing that have been made by their students. In addition, lecturers can also convey material or assignments through Schoology to facilitate information dissemination (Anonim, 2014; Anderson et al., 2001; Bonk and Graham, 2005; Byrd, 2013). The advantages of Schoology are Stay Connected (Lecturers can send updates to courses, groups and private messages and provide feedback to students, and organize events with the Schoology intuitive interface on their mobile devices), Extend Class Time (Students can view

lessons online, collaborate with their colleagues and can learn independently through their mobile devices that can be done whenever and wherever they want), and Manage on the Go (Through Schoology lecturers can easily attend, make assignments, discuss, check the results of student homework and assess work results). In addition, through Schoology, lecturers can provide feedback to students through their mobile devices, along with the increasing communication and collaboration that exists between electronic media, where for example some sophisticated, modern facilities are using screen sharing.

## Research Method

This research is directed at improving student learning outcomes, by researching the extent to which the use of Schoology as a learning medium is improving independent learning. Judging from its purpose, this research is included as part of descriptive research methods, research carried out with the aim of providing a description or description of a situation.

Research Questions:

1. How can schoology applications improve Learner Autonomy?
2. What are the factors in the application of Schoology?

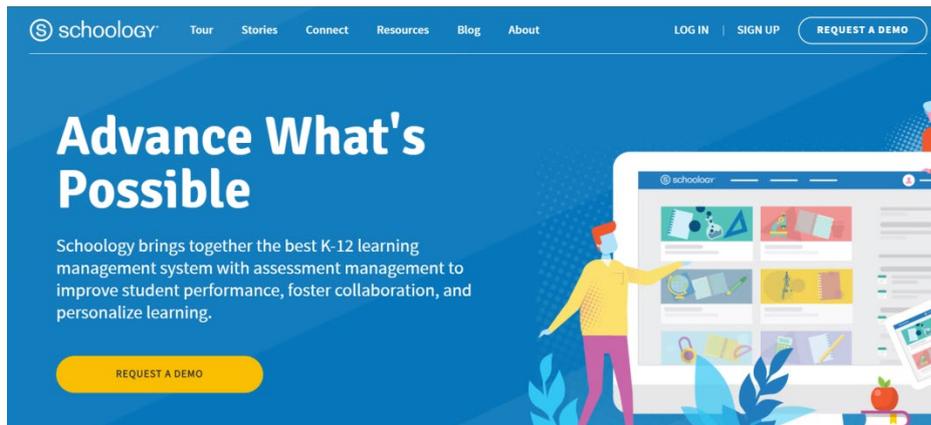
## Results and Discussion

### *Schoology applications can improve Mandiri learning*

Inexpensive - with only internet data packages students can access the learning material they want without having to worry about missing lessons if they are not present. Mandiri - different from face-to-face learning, through *e-learning* students can study with the internet without any interference from the lecturers such that students can get used to looking for material without having to always ask the lecturers in class. This is relatively efficient for those who live far from conventional colleges or campuses.

**Figure 1.** Schoology web starting page (<https://www.schoology.com/>)



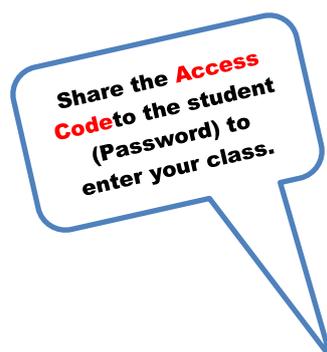


As another LMS platform, Schoology aims for a better education system and fair implementation around the world. It started from a small idea in a classroom, with a foundation that formal education system is not ideally aligned with real life lessons, thus the founder created an online platform as close as possible to what real life demanded. Schoology provides online guidance for educators, online community discussion and also encourages a better learning environment in formal education institutions. The services provided by Schoology are mostly focused on implementing digital learning in an academic environment to boost learning process efficiency while also building an effective learning management system (Bernard, 2017; Kintu et al., 2017; Low, 2017).

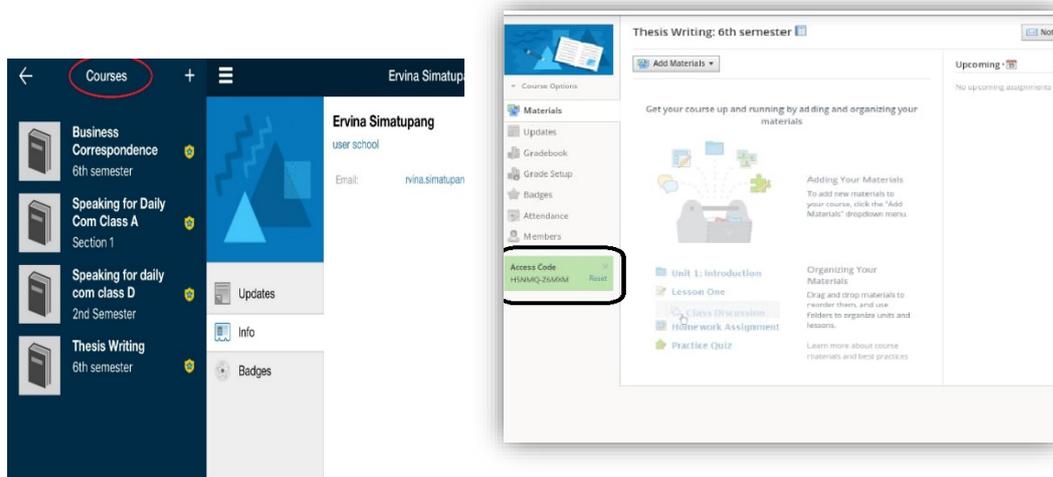
The platform has an interesting interface with a lot of useful features such as student performance assessment page for teachers, communication tools, a personalised learning system tailored for each education institution specifically, and all-round LMS. Not only limited to one institutional value, there are also options such as collaborative programming and global networking for educators to improve the education environment from many different aspects and to analyse surfacing problems with various perspectives from fellow educators.

Overall, this platform supports education by improving the <sup>community</sup> through their LMS innovation programme, and it definitely shows an improved direction for the education system.

**Figure 2.** Add some classes on the courses



**Figure 3.** Access Code



In Figure 2 above, the lecturer can add classes taught in courses on the right. Then in Figure 3 above, access code, students will be very easily accessed or enter the created class because with the access code, students can not enter the class incorrectly. Therefore students must be given access to the code to enter the schoology class. Other students will not be able to access the class because they do not have access to the code.

Before you download Schoology on the google Play Store, you should go to the web, find Schoology on google and create your account and complete your profile. You can choose membership as a teacher or student. After that you can download the application on your mobile phone as follows:

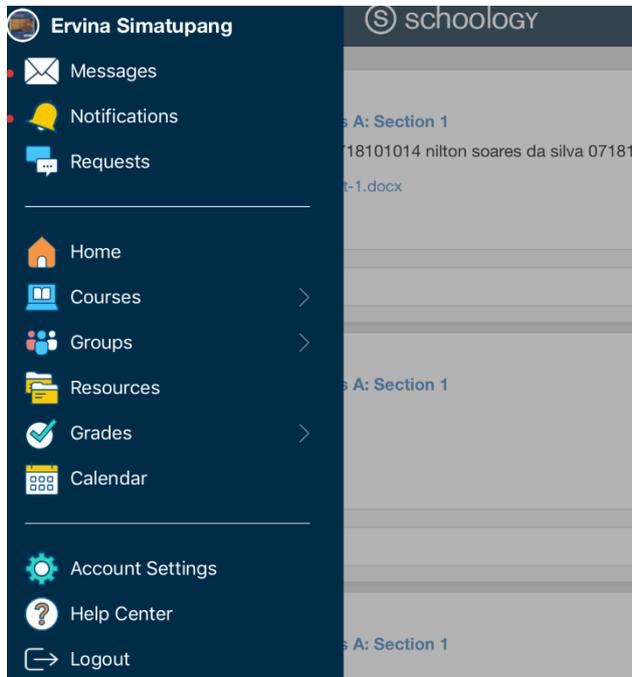
1. Search google Schoology on Google Store then install
2. You will be asked to log in using your Google account, if you don't have it, you must register first.
3. Download the application and enjoy it.

***What factors are in the Schoology application?***

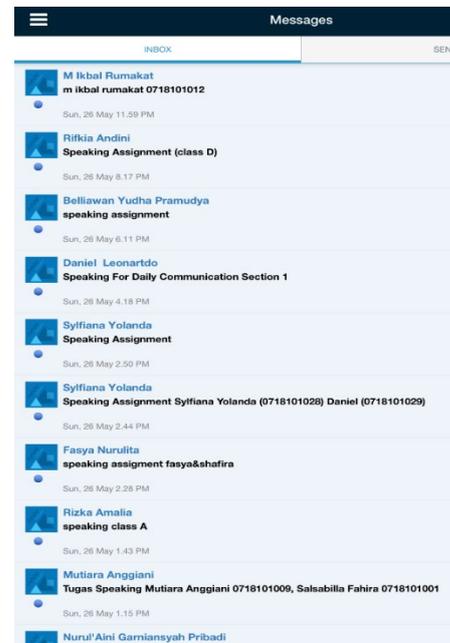
Factors that make Schoology an interesting learning on platform include: there is a message function, students can interact directly with the lecturer when students want to do private contact with the lecturer, there are notifications, this serves to notify quick information about courses in this platform. There are courses, where as many classes as needed can be added according to the class being taught. Another functionality is the ability to make groups and

assessments and the most interesting thing is to have online attendance (Sagala, 2005; Sugiyono, 2006; Rosalina, 2018).

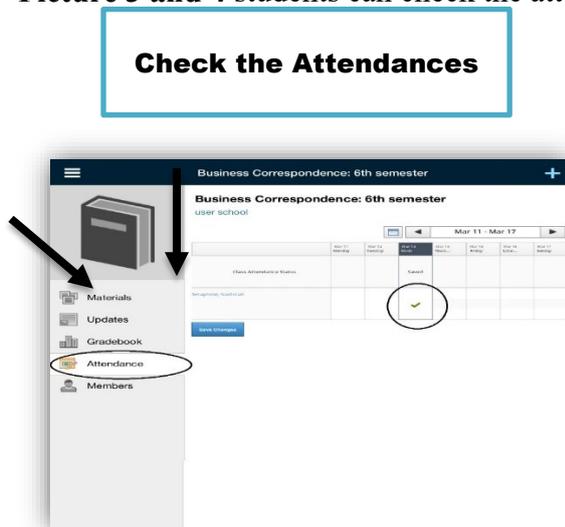
**Picture 1.** The menu of Schoology



**Picture 2.** students can send a message to the lecturer



**Picture 3 and 4** students can check the attendance list online.



	Present	Absent	Late	Excused	May 27 Monday	May 28 Tuesday	May 29 Wednesday	May 30 Thursday	May 31 Friday	Jun 1 Saturday	Jun 2 Sunday
Class Attendance Status	Not Saved	Not Saved	Not Saved	Not Saved	Not Saved	Not Saved	Not Saved				
Aji, Hani	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Ariesta, Eka Nur	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
January, Virany Elidia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Karmelita, Stefani	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lia, ASTRI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Muhamad, Adhika	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pardosi, Desi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ten, Angela	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Student learning outcomes are obtained after students work on the forum. Figure 5 below describes the picture of student learning outcomes after using the Schoology learning medium for students of English Language Study Program and Management Study Program. Students

are more independent and responsible for doing assignments, forums and quizzes online so there is no other reason not to complete the material or assignments given by the lecturer. Learning becomes Student Centered Learning (SCL), the learning system no longer focuses on lecturers but on students. Through the application of schoology, students can complete assignments independently according to the duration of time determined by the lecturer. Through this application students no longer find it difficult to access material because the material can be in the form of an ebook and online discussions can be conducted on schoology forums. Through more complete features in schoology, students can access the learning material they want without having to worry about missing the lesson if absent and the advantage of the online questions functionality of Schoology is that there is no need to check the work of students. Problems, usually in the form of assignments, can be completed at home, with the lecturer only in control from a distance (Jabarullah and Hussain, 2019; Yamaguchi, 2018).

## **Conclusion**

Based on these research results, it is recommended that the below be taken into consideration: (1) Schoology is one of the interactive learning mediums that develops an active, independent, and creative attitude towards students. The features that are owned by Schoology are Courses, which is a functionality to create classes for subjects, such as subjects in Mathematics, Accounting and English. Groups are a facility for creating groups for networking and discussion. Resources (Learning Resources) functionality is available to make learning resources accessible to students. The Schoology learning medium should be used in other subjects as this research is useful for the lecturers and students in the creation of student centered learning.

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