

Learning Evaluation Through the Safe Exam Browser App

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Abstract:

Every implementation of learning evaluation will have problems that arise so that innovations are needed that can overcome these problems. One of the innovations made to facilitate the learning evaluation system, so that learning evaluation activities will be helped. The research method used by researchers is qualitative, which refers to web data and observation results with interviews. So as to find how the effectiveness in implementing learning evaluation using Safe Exam Browser, then some of the supporting and inhibiting factors that are felt when using the application. By conducting considerations and discussions, the researcher concluded that using the Safe Exam Browser (SEB) application is very effective for modern-based educational institutions, with adequate media this application is very supportive to produce maximum Learning Evaluation, because the researcher mentioned that there are two values contained in it, namely the value of honesty and the value of self-confidence. With these two values, students will have good character and can have high morality for long-term provision for future success. The hope of the researcher is that the Safe Exam Browser application can be updated even better so that many institutions

use the application, it will increase the value of higher quality and more advanced education.

Keywords: Learning Evaluation, Safe Exam Browser (SEB)

Introduction

Education is the key to the nation's progress. Education can produce quality human resources, both in terms of intellect and skills. The successful implementation of education will determine the direction of the nation's progress (Yoga Budi Bhakti, 2017)

Learning is carried out to improve the quality and quality of students according to the expected learning objectives (Muhimmatul Choirah, 2021). Learning evaluation is carried out to measure students' understanding of the material presented by the teacher. A good and thorough evaluation can help educators in determining the strategy, method, and suitability of the learning taught. The results of the evaluation can help educators in improving the quality of learning.

The success of learning is not only determined by students, but also by teachers. In the digital era, teachers are required to use digital technology in learning. Digital technology has many benefits, one of which encourages innovation and creativity (Ahmad Ainur Rofiq, 2023) .

Currently, the world has entered the era of digitalization or era 5.0 , In this era, all activities have begun to use digital access, including in learning evaluation activities. One application that is effective in conducting learning evaluations is Safe Exam Browser. This application has a very strict security system, so that it can minimize cheating in evaluation activities (Panyahuti, 2019).

The results of Ahmad Husein's research show that the utilization of Safe Exam Browser can improve the efficiency of the implementation of learning assessment. The better the utilization of this

application and the user's understanding of its features and functions, the better the efficiency of the assessment (Panyahuti, 2019).

This research was made to make the world of education in this digitalization era more developed, by following the technology that is getting more sophisticated every year, one of which uses the Safe Exam Browser application, in this article will list the various advantages and disadvantages of the application and the extent of its effectiveness. It is hoped that this paper can contribute to the benefits that affect progressive education.

Research Method

This study uses a qualitative research design with a web-based content analysis approach, specifically using the document model studied, including text, symbols and other materials. Data obtained from interviews with ABBS high school students in grades 10 to 12, formally and structured. This research was conducted to describe the Safe Exam Browser as an innovation in learning evaluation, which aims to determine the effectiveness and shortcomings of implementing the application.

Result and Discussion

SEB is software that can help maintain security and order in the implementation of online exams or tests . SEB, the software used to maintain security and order in the implementation of online exams, can be installed on the computer or laptop that will be used to take the exam. The software sets up several rules that examinees must abide by, such as the prohibition of opening other applications or using a camera. At ABBS High School, all students use laptops to take the midterm and final exams.



Figure 1. Safe Exam Browser application

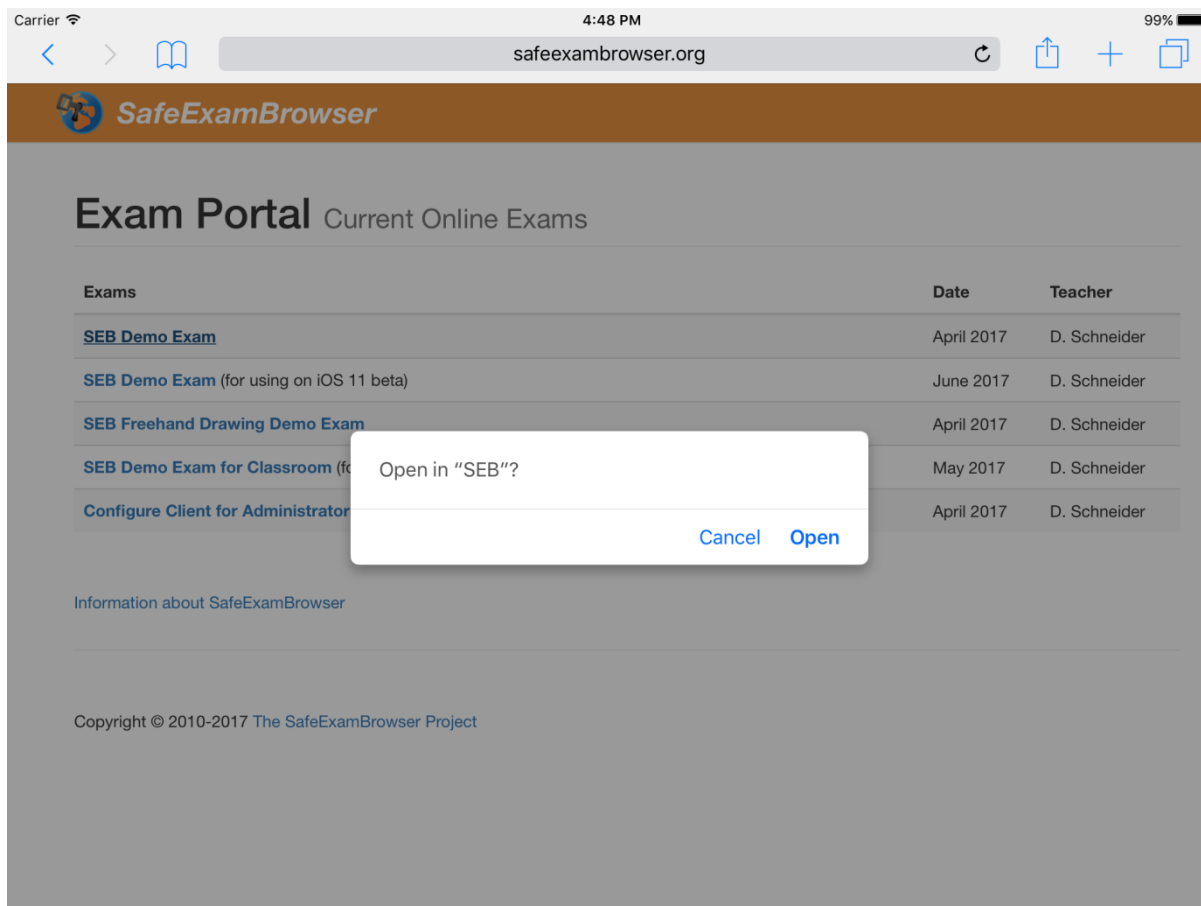


Figure 2. Safe Exam Browser initial view

The system used is a feature that is safe from cheating, with a system that is made difficult to enter other applications when the exam is in progress, so students at the school are required to be honest and confident in the results of the understanding gained during teaching and learning activities, or study literacy from the guidebook given by the teacher (Muhammad Munif 2021).

With the system in place, it will bring up positive values that will be produced by students, including:

1. The value of honesty

Having an honest personality is one of the ideals of an educational institution. However, an honest attitude becomes an antique and difficult thing to get, so several ways are needed to instill the value of honesty, because this character will be the basic capital for the formation of an independent person and a good moral attitude for students.

Planting honest character from an early age is very important to form students who have noble character. Students who are accustomed to being honest will love the truth and always try to act honestly in every action. Schools can use the SEB application to evaluate how much honesty students have.

Although in the interview results there were some students who still committed some cheating, but this can be overcome easily. Especially with features that are constantly updated so that the security system is continuously updated, so that there is no more gap to share cheating.

The cultivation of honest character is not only the responsibility of teachers, but also parents. Parents are the first and main educators for children, and they have a great responsibility to instill honesty values to their children. This is as mentioned in the word of Allah SWT At-Tahrim verse 6, which instructs parents to protect themselves and their families from hellfire.

Parents as the first and main educators for children have the responsibility to shape children's character and attitudes, including honesty. Parents can do this by being a role model for children in everyday life. (Wardhani & Wahono, 2017)

2. Self-confidence value

Self-confidence is one of the important factors that can support students' success in learning and interacting with their peers (Zufriadi Tanjung, 2021).

In addition, students who do not have confidence will feel hesitant when working on problems. This can prevent the student from solving the problem optimally.

When students are accustomed to doing learning evaluation activities honestly and confidently, the value of self-confidence will also be trained, so that the results of the learning evaluation using the Safe Exam Browser are one way to foster and shape students' self-confidence character.

Self-confidence is an attitude or belief in one's own abilities. Students who are confident will feel free to do things according to their wishes, take responsibility for their actions, be polite in interacting with others, have a drive for achievement, and can recognize their strengths and weaknesses (Zufriadi Tanjung, 2021). The characteristics of someone who has self-confidence: According to Thursan Hakim (2005: 5) the characteristics of a confident person include:

- a. Have a calm attitude and do not panic easily in dealing with various situations.
- b. Has reliable potential and ability.
- c. Able to manage stress and pressure well.
- d. Able to adapt and communicate effectively in various environments.
- e. Have excellent physical and mental health.
- f. Have sufficient intelligence to think critically and solve problems.
- g. Have a good formal education and relevant skills.
- h. Able to socialize and build good interpersonal relationships.
- i. Has a strong educational background that supports her career.
- j. Have valuable life experiences and form a strong character.
- k. Have a positive and optimistic attitude in facing life's challenges.

Students who have a confident character are students who have a good character who will have more value contained in themselves, such as the characteristics exposed above.

From the two values above, we can conclude the effectiveness of using Safe Exam Browser in learning evaluation, in terms of the results that appear and the benefits after carrying out learning evaluation activities.

Using a more sophisticated and modern system, in accordance with the times, is the solution to adjusting to a more advanced education.

Supporting and inhibiting factors for Safe Exam Browser

In every learning evaluation system, there will be shortcomings and advantages produced or in the implementation process. Then there will be several supporting factors that affect the success of the learning evaluation, and several inhibiting factors appear in the implementation of the learning evaluation so that the expected results in this evaluation will not be maximized.

Safe Exam Browser Supporting Factors

The following factors support the use of SEB (Safe Exam Browser)

1. Regulate access to unauthorized apps or websites:

The first advantage of Safe Exam Browser is its ability to regulate access to unauthorized apps or websites. This can help prevent cheating or plagiarism during the exam.

The researcher's observation shows that this feature provides a sense of calmness for examinees. They feel confident that there will be no cheating from their friends.

2. Organize the amount of time available to take the exam:

SEB can set the amount of time available to take the exam, as well as send notifications when time runs out.

Supervisors and teachers will be helped by organizing a digital exam system, made easy with efficient time and easy to manage.

3. Strict anti-screenshot feature:

Safe Exam Browser's tight security features can prevent examinees from saving or taking screenshots of exam questions. This is very important to prevent exam questions from being spread on the internet or reused for the next exam.

4. Clearing cache and cookies after the exam:

Once the exam is over, Safe Exam Browser can clear the cache and cookies on the examinee's computer or laptop. This can help ensure that no traces of examinee activity remain. The system is not burdensome for examinees, so it is effective in saving the storage of the devices used.

5. Prevent access to the clipboard:

Safe Exam Browser can prevent examinees from accessing the clipboard during the exam. This can help prevent examinees from copying and pasting information from other sources into exam questions.

Safe Exam Browser Inhibiting Factors

As for the inhibitors of using SEB :

1. Delayed installation of the app:

The SEB installation process can be confusing for school children. This is because the process consists of several steps that are not easy to follow

Informants also stated that they found the SEB installation process a little difficult. This difficulty can increase if the device used has less supportive specifications.

2. Crashes or errors occurred during the exam :

The Safe Exam Browser (SEB) may fail or error during the exam. This can cause disruption and loss to the examinee.

During learning activities, there was an error from the server that disrupted the implementation of evaluation activities. This caused the evaluation activities to be delayed and students could not work on the exam questions on time.

Various students in the school use the same internet service so that there will be a delay in accessing the Safe Exam Browser.

3. Feeling restricted:

SEB's strict rules can make some people feel uncomfortable, especially for those who have never used the system before.

The two factors above are some of the things that can affect the results that will be given from the evaluation carried out, if the implementation of using SEB cannot reduce or minimize the existing obstacles. Then the desired results will not be maximized.

Conclusion

The Safe Exam Browser application in learning evaluation is one of the innovative applications that can support the continuity of these activities. With the observations made by researchers, there were many responses and appreciations from Safe Exam Browser users. Although there are still factors that become obstacles. Hopefully with this research Safe Exam Browser can improve or update the system to make it easier and reduce these obstacles. So it can be concluded that the use of this application is very effective, if there is a supporting device. Especially for educational institutions that already have a modern digitalization-based system, the implementation of this application can support the results of maximum learning evaluation.

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