Integration Of Goguardian with Google Classroom to Improve Interest and Results in Islamic Education at Senior High School

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Abstract

Science and technology in education have changed the learning system. For conventional education to be a modern learning system, it demands innovation in the delivery of learning. This research has some goals: 1) Integrating GoGuardian media technology with Google Classroom for Education learning in Islamic Religion studies. 2) Determine the level of interest shown by students and instructors in the use of GoGuardian integration of technological media with Google Classroom for the purpose of Islamic education. This strategy, which was adopted in schools, was based on research and development (R & D) and included both a quantitative and qualitative approach. The feasibility testing of media and materials is carried out by 3 material expert validators and 3 media expert validators. Test Review The expert was carried out by teachers, with a group trial conducted on students and field trials conducted on students consisting of respondents. According to the study's findings, 90% of students responded positively to the use of GoGuardian integration with Google Classroom in the process of Islamic Education learning, and as many as 80% of teachers responded positively to the use of GoGuardian integration with Google Classroom in the process of Islamic Education learning, owing to the fact that the learning activities conducted using Goguardian integration with Google Classroom are more activating.

Introduction

The fourth generation of education will be the next stage in the curriculum, since programming has already been introduced in elementary school (Noh et al., 2021). It derives to the idea that the development of digital era conquers to promote Education 4.0 (Anggraeni, 2018). Technology is a critical strategic media instrument for assisting in the fulfilment of learning-reform objectives (Rizal et al., 2021). With the beginning of the fourth industrial revolution, education's function is evolving, and it is being relied upon to address developing requirements. With that, let's discuss Education 4.0, an academic phrase for many ways in which technology is being incorporated into education (Panagiotopolos et al., 2020). Online education has become the de facto norm of education, with a sizable number of students participating (Salter et al., 2014). The essence of online learning is that students' cognitive levels continue to improve, and students must participate actively in order to attain good knowledge (Baloran et al., 2021). When students are satisfied with their e-learning experience, they become highly motivated, which results in increased engagement with learning materials (Rizal et al., 2021). To facilitate this kind of learning, professors have developed learning management systems (LMS) or e-learning platforms that provide their students with easy access to various materials and tasks. Students may use these platforms from the comfort of their homes (Bismala et al., 2021). In online education, instructors and students have the freedom to alter the way they study and the method of knowledge transmission (Syauqi et al., 2020).

Google Classroom has a variety of features that make it easier for students and teachers to communicate online in a virtual classroom (Harjanto et al., 2019). Google Classroom is a course management system that is accessible through the web (CMS). It serves as a setting for instructional delivery and learning processes, in which students acquire knowledge via communication, interaction, and discussion (Salam, 2020). With the help of this application, teachers and students will find it simpler to complete the process of deeper learning. Due to this, both instructors and students will be able to collect assignments, distribute assignments, and evaluate assignments without being restricted by time constraints during the session. Many external applications can be used with Google Classroom. Among them, GoGuardian integration saves teachers and students time and makes it easy to share information in the classroom. Student registration, class periods, and point lessons are all synchronised across all platforms.

Students and teacher will get more benefits from a Chromebook because of its simpler setup and use. With GoGuardian Teacher, you can devote your time and energy to assisting your kids rather than monitoring their electronic devices. (1) Screen Viewer: View your students' work in real time or go back in time. (2) Activity Timeline: See what your students are working on in real time, including all open tabs, or go back in time to explore previous session activities. (3) Scenes allow you to quickly designate the locations you want students to be able to visit during a test or class time in order to optimise learning while minimising dispersion. As a result, there are some issues with learning Islamic studies, such as: (1) students who struggle to understand subject matter; and (2) students who pay less attention in the learning process of Islamic Religious Education at school. (3) Students' lack of enthusiasm to work on study tasks means that students are less active and less brave in expressing their opinions during learning. (4) Students also feel bored and bored inside the learning process, so they do not interpret the learning process. (5) Learning methods in which the teacher remains constant. (6) The teacher also has not used the internal media learning process. Therefore, GoGuardian integration with Google Classroom can be a solution for teachers so that learning can be fun. So, the teacher can easily control students in the classroom and outside the classroom online. In this case, the writer chose to make the GoGuardian integration with Google Classroom. This is supported by mobile advancements that provide several advantages for learning activities. Besides that, smartphones are familiar to students; all students already have them and bring them to school.

The objectives of this study are: 1) developing media technology Goguardian integration with Google Classroom on Islamic learning; and 2) knowing the response of attracting students and teachers inside using GoGuardian integration technology with Google Classroom on Islamic learning.

Literature Review

Google Classroom

As stated by Soni, Google Classroom is a specialised programme for online learning material, or as the phrase is used online classrooms, that allows instructors to easily create, distribute, and categorise each assignment without the need to use paper again (Soni et al., 2018). As a consequence, this application may aid teachers and students in conducting a more in-depth learning process. This is critical because it allows students and lecturers to gather, distribute, and analyse assignments at their leisure, rather to being constrained by time limitations or class schedules. Google Classroom has a number of robust features that make it an excellent tool for use with students and is often regarded as one of the finest platforms for streamlining instructor productivity (Shampa, 2016). Additionally, it includes a variety of capabilities that assist teachers to organise their classes more successfully, including Google Docs, Google Mail, Google Drive, Google Slides, and, most recently, Google Calendar (Yunus et al., 2020). This means that application aims to achieve something that can run well (Batubara et al., 2021). For instructors who do not have a strong background in information technology, implementing Google Classroom might be a difficult task to complete. However, by paying close attention to the following steps, it is possible to learn how to use Google Classroom effectively:

1.   Navigate to the Google website and then to the Google Classroom page.
2.   Make certain that you have a Google Apps for Education account. Sign in to the Google Classroom website at:https://www.google.com/intl/en-US/edu/classroom/.   Choose whether you want to be a teacher or a student, and then either create a class or join an existing class.
3.   For Google Apps administrators, further information on how to activate and stop services may be found in the Access to Classroom documentation.
4.   The instructor may either add kids directly or share the code with their class to encourage them to participate. To put it another way, instructors will begin utilising Google Classroom with the proviso that each student must have a personal email account using their complete identity (not a pseudonym or alias) before they begin teaching in the actual classroom (at school).
5.   The instructor assigns an individual task or hosts a discussion forum using the assignment page or the discussion page, and all of the class content is immediately placed in a ward folder on Google Drive.
6.   On the website the, in addition to assigning homework, the instructor may also impart facts or material relating to the topics that students will be learning in real-life classroom settings. Students might seek clarification from the instructor or from other students in the class. This has something to do with the information provided by the instructor.
7.   On the Assignments tab, students may keep track of any assignment that is getting close to the deadline for collection and begin working on it with a single click.
8.   In addition to seeing who hasn't done the task, teachers may offer feedback and grades immediately in Classroom.

GoGuardian

As soon as we showed the demo to our instructors, they were enthralled, and they demanded that we not take it away from them. After the presentation ended, the teachers were practically in tears, and they screamed, "whatever you do, don't take it away". GoGuardian offers device control solutions that help kids stay safely online while also making teaching more convenient for teachers. GoGuardian software company also launched Beacon software that can detect school children who will commit suicide or endanger himself. With Goguardian Beacons students will quickly get assistance needed such as counseling by teachers and psychologists. This system will classify behavior into one of five categories namely suicide research general, general suicide ideas, help and support, self-harm and planning active. Goguardian believes that the digital learning environment must be fundamentally engaging, which is why we performed a field study with over 350 educators and students throughout the nation to better understand and characterise student engagement (Alvarez-Cedillo et al., 2019).

Goguardian Integration with Google Classroom

Many external applications can be used with Google Classroom. This integration saves teacher and student time, and makes it easy to share information between Classroom and their favorite applications. One application that can be integrated with google classroom with GoGuardian. GoGuardian Teacher allows teachers duplicate classes that have been prepared in Classroom, synchronize registrations students, class periods and subjects on all platforms. Students and instructors will get more out of a Chrome book with setup and use simpler.

Methods

The technique utilised in this study is R&D (Research & Development) or research and development, which is a quantitative and qualitative approach. In the context of research and development, this may be seen as a scientific technique for doing research, designing, constructing, and testing goods. In this research, the product that will be developed is the Goguardian integration learning media with Google Classroom, which is loaded with Islamic material studies. The ADDIE model was employed in this study, as well as a series of tests and evaluations that are divided into five stages (Rizal et al., 2021).

Integration Design

Research development conducted by researchers using Borg and Gall development research as explained in the previous chapter, but due to the limitations of researchers, the researchers limit the research development procedures to seven steps namely; potential and problems, obtaining informati, product design, validation, revisions, product trials, and product revisions. The integrated design of this research development that is;
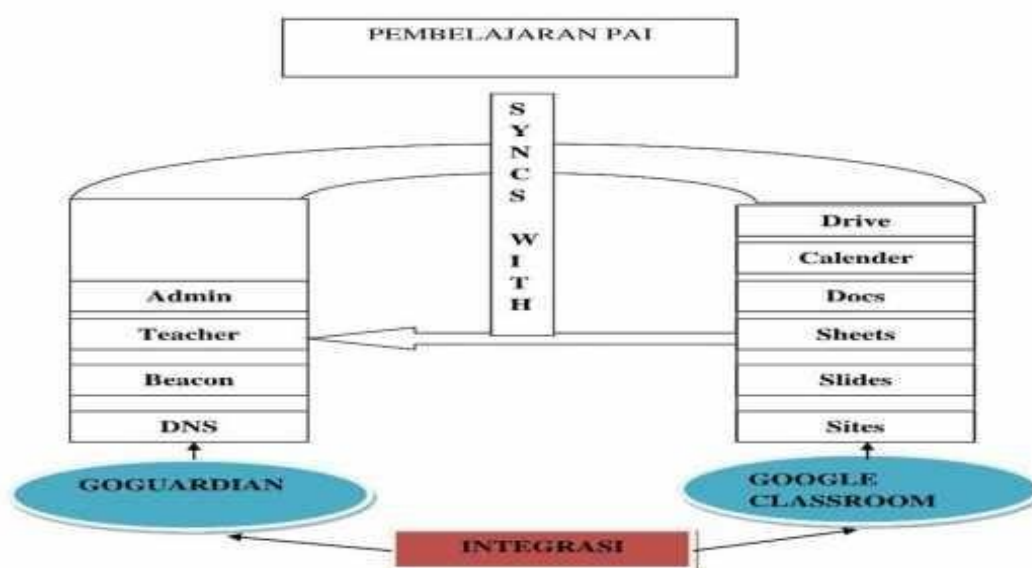

Fig 1. Research Flow Chart

Techniques for Collecting Data

Data collection is needed in this study, the researchers used the method in data collection. Data collection techniques using a questionnaire. Questionnaires are widely used and critical instruments for eliciting data on public awareness and perceptions of environmental hazards (Bird, 2009). This method used by researchers to determine student responses and teacher responses in use of Goguardian integration with google classroom with religious material Islam. This questionnaire will be given to grade XI students. This data collection method is a closed questionnaire with 5 choices of answers to experts and expert learning material for testing the

validity of integration media, as well as teachers and students to find out responses to Goguardian media and Google Classroom.

Data Analysis Techniques

Data from the needs analysis questionnaire obtained from educators and students used to compile the background and find out the level of product requirements developed. Data analysis in this research and development, researchers conducted with 2 ways, namely the analysis of the results of validation and analysis of attractiveness or the response of integration media GoGuardian with google classroom. The suitability of learning materials and design on the product obtained from material experts and design experts through expert validation test. Data validation results from experts is used to determine the feasibility of the product produced.

Result and Discussion

Identifying the components of an engaging learning experience is critical in a continually changing educational environment. These results may serve as a foundation for anyone interested in developing compelling learning experiences in conventional or virtual classroom settings.

Method for integrating GoGuardian with Google Classroom

You may want to create a class in order to distribute assignments and connect with students more effectively. It is recommended that you use the email address associated with your school's Google Workspace for Education account when creating your courses. Anyone above the age of 13 may, however, create a class for their own personal use with the assistance of a Google Account.

a. Visit https://classroom.google.com/
b. Select "Add" and then "Create a Class" at the top of the Classes page to begin
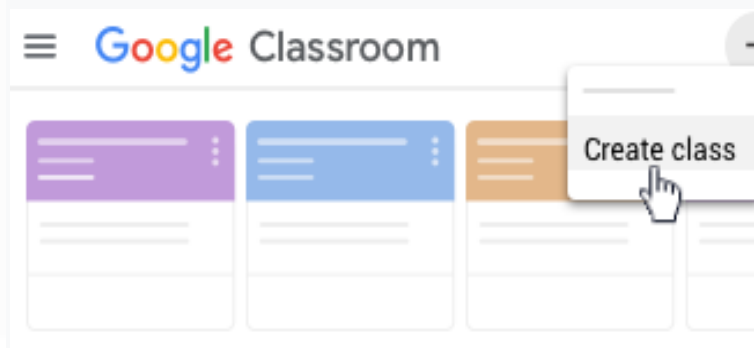

Fig. 2. Create Class

Your account only allows you to join courses if you don't see the "Create a class" option. Contact your Google Workspace administrator if you need assistance.
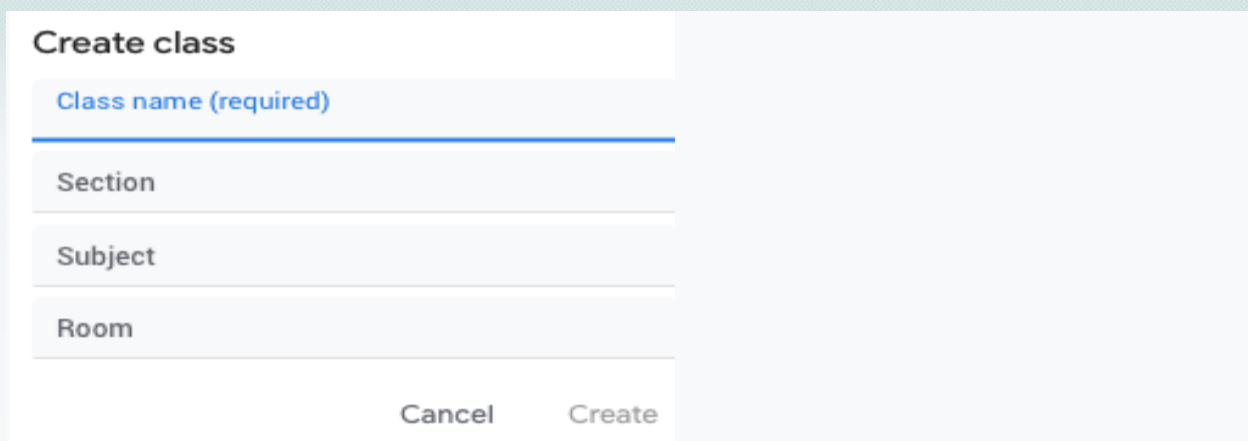
c.   Input the class's name

Fig.3. Class's name

d.   (Optional) click section and input data such as a brief description, grade level, or class time.
e.   (Optional) You may either choose a subject and give it a name, or you can choose one from the drop-down option that displays as you type information into the text box.
f.   (Optional) to identify the location of the class, the room it will be held in, and any other pertinent information.
g.   Click the Create button.
     Classroom generates a class's code automatically, which you may use to invite students to the class. The class code is always available at the top of the class stream.
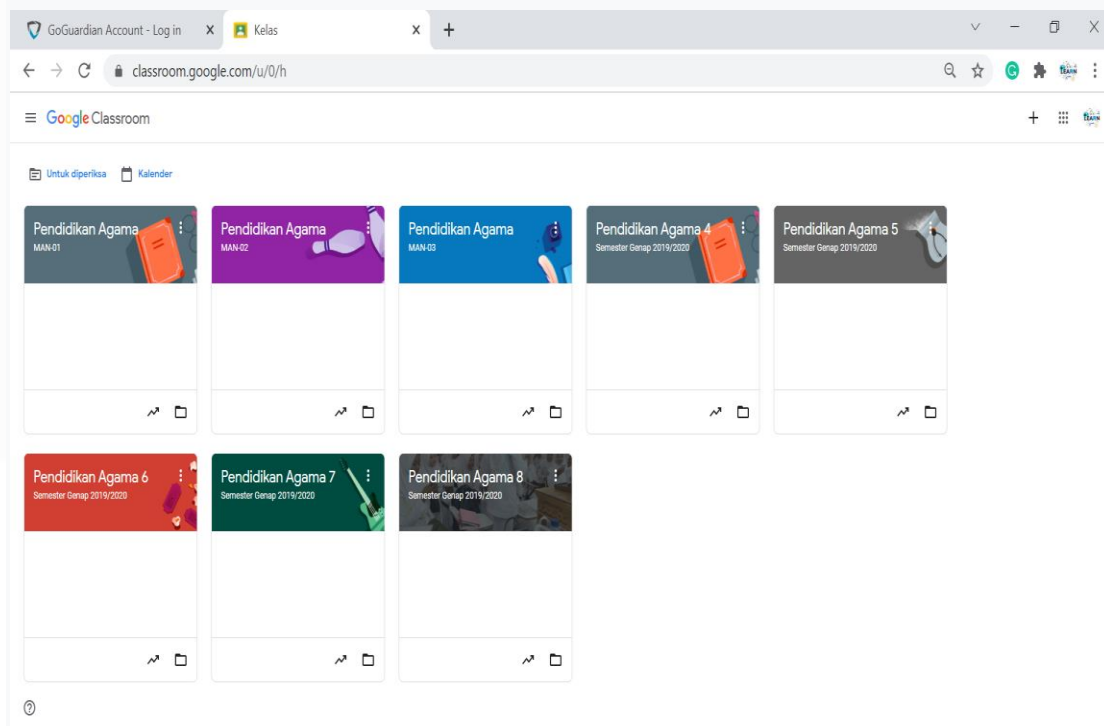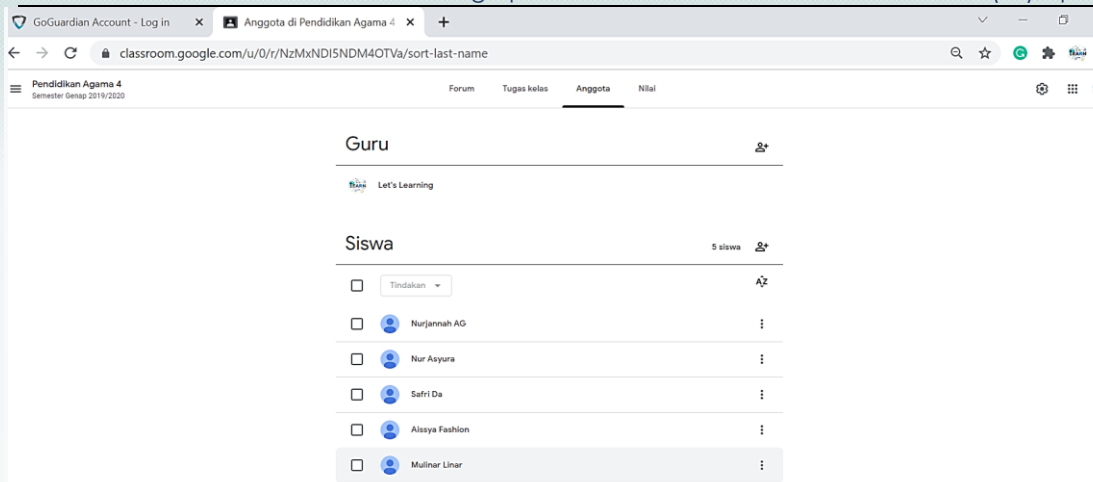

Fig. 4. Google Classroom

Fig.5. Student's in Google Classroom

Using GoGuardian in connection with Google Classroom

Classes that were synchronised from Google Classroom will now be visible in GoGuardian Teacher. Using Google Classroom Integration, instructors will be able to transmit their students' classwork from GoGuardian Teacher, which is already accessible on Google Classroom. This will allow you to easily and quickly share your Google Classroom classwork with your students from a single window. It will be instantly imported into GoGuardian Teacher from any classwork that is currently stored in Google Classroom. Teachers should not be required to take any action in order for this to occur. Moreover, in the case of synchronised classrooms, instructors are unable to prevent this from occurring.

1.   Go to https://www.goguardian.com/
         GoGuardian Teacher can only be used after your account's user has registered your email address at manage.goguardian.com before you may use it. Once you have registered, you will be able to log in with Google using the e-mail address associated with your school.
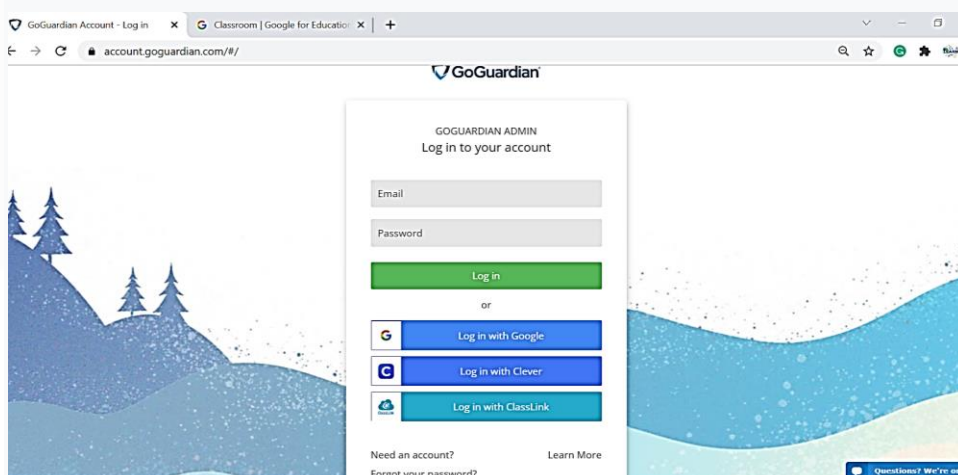

Fig.6. Login to Goguardian

A welcome email from service@goguardian.com will be sent to your mailbox if you want to do so. In addition, the email will include information about which goods you may access as well as a link to set up a password. You can create an optional password, but we recommend using Google to log in so that you only have one password to remember!
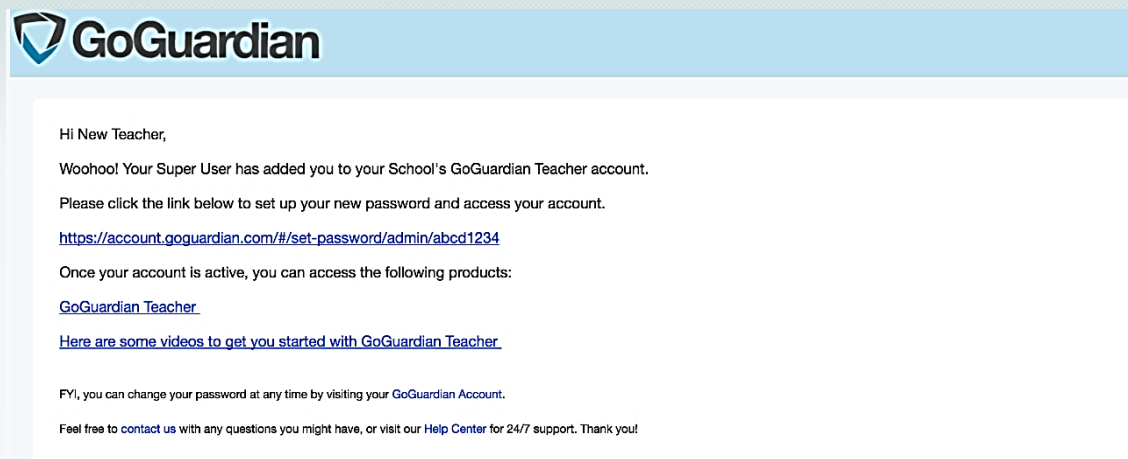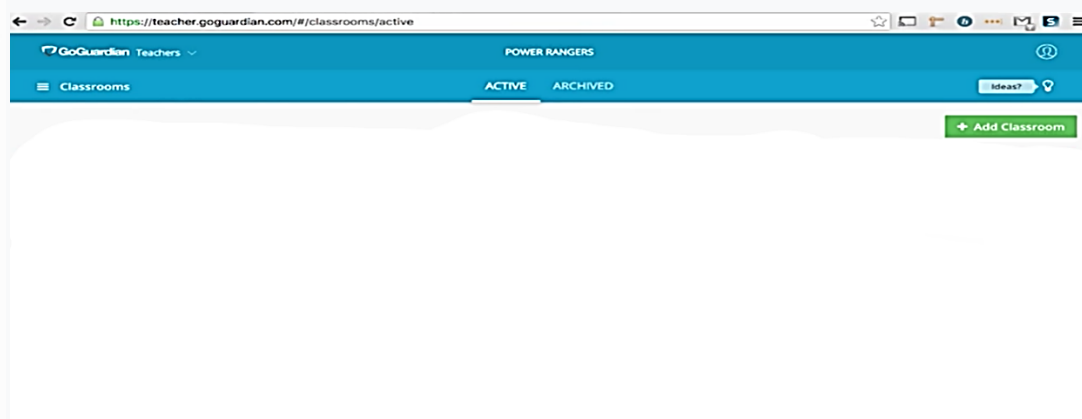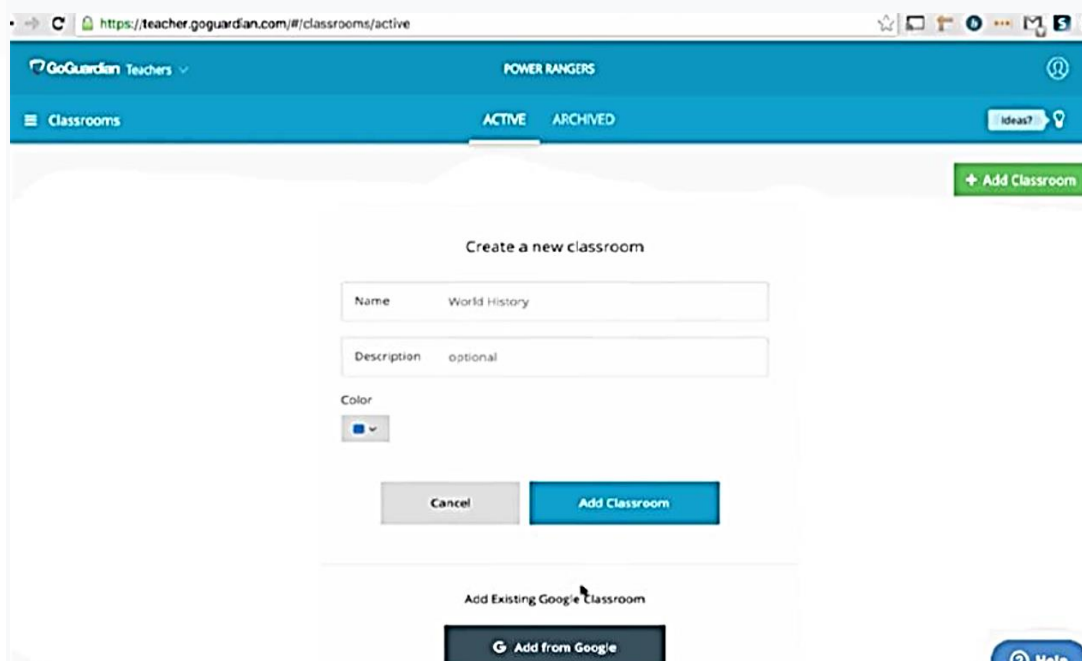
Fig.7. Email from Goguardian

If you already have classes set up on Google Classroom, you can easily transfer those classrooms over to GoGuardian without any difficulty. To begin the process of establishing a new classroom using Google Classroom, follow these steps:

a. **Select the Add Classroom option from the drop-down menu**

b. **Select the Add from Google**

c.   Input your Google Classroom email and select Allow

This is the result of Goguardian's integration with Google Classroom, Google Classroom classes and students are already covered by GoGuardian.
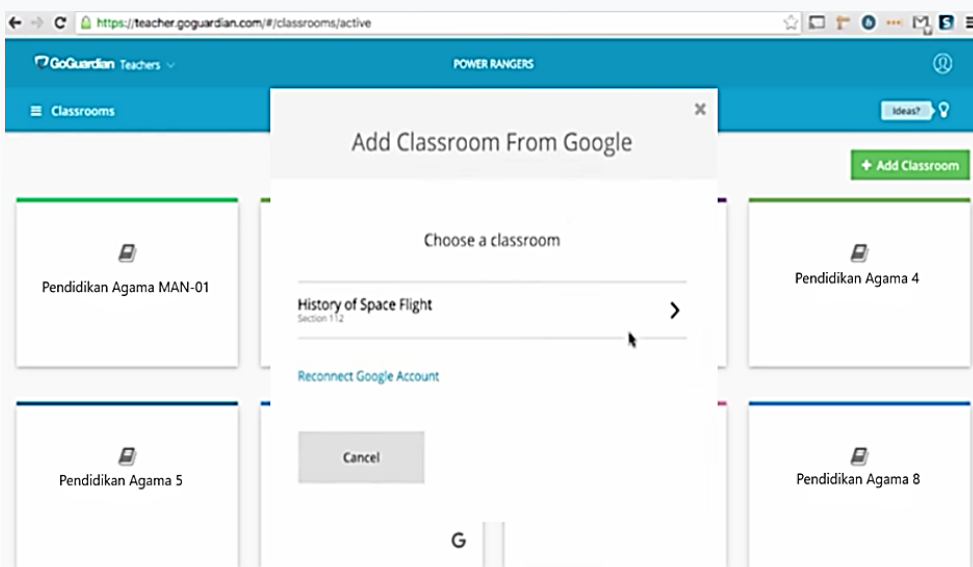

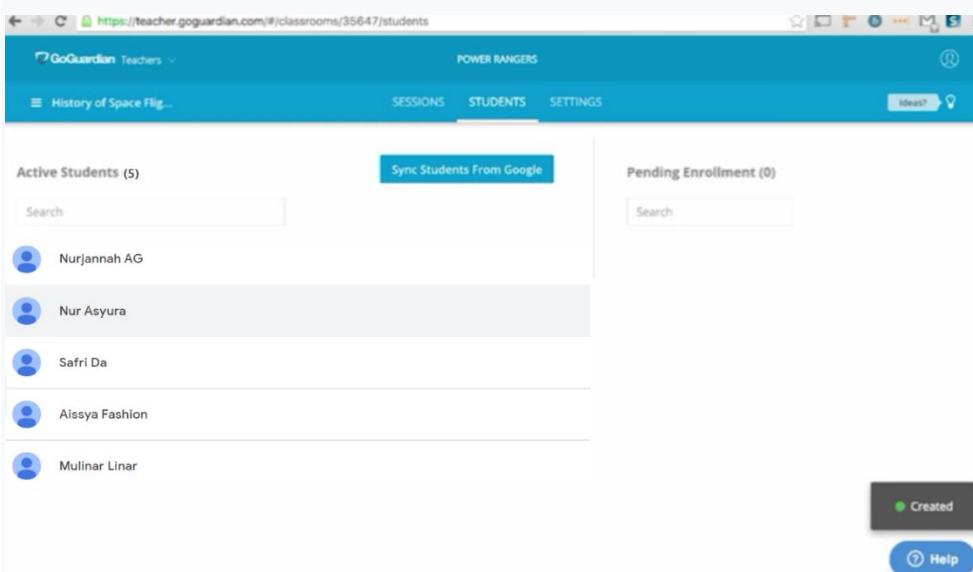**Fig. 8.** Form of Goguardian Integration with Google Classroom

Fig.9. Sync Student from Google Classroom

Teacher and student feedback on GoGuardian and Google Classroom integration

The results showed that for the teacher response questionnaire, 80% of teachers gave positive responses to media indicators that could overcome the limitations of students' experience; 75% gave positive responses to media indicators that could overcome classroom boundaries; 80% of teachers gave positive responses to media indicators that could allow direct interaction between participants and their environment; as many as 75% of teachers responded well to media indications. As many as 80% of teachers supported media indicators that could govern the rate at which students learn fundamental concepts; media indicators that could add basic concepts that are true, real, and exact received favourable comments from as many as 80% of teachers. Furthermore, up to 80% of instructors expressed satisfaction with the survey metrics. Media can provide a comprehensive experience from the concrete to the abstract. On the basis of the overall elements assessed, it is possible to infer that 80 percent of the instructors expressed support for the usage of Goguardian integration with Google Classroom as a medium in the learning process of Islamic Religious Education. Students responded positively to the content quality indication in the student response questionnaire, and as many as 92 percent of students responded positively to the enjoyment element indicator in the student response questionnaire. The aspect indicator received overwhelmingly good feedback from the students (88 percent). Approximately 90% of students answered favourably to the grammar aspect indicators, with an additional 90% responding positively to the illustration use aspect indications provided in the Goguardian connection with Google Classroom that was utilised throughout the learning process. Overall, the positive response given by students to learning using Goguardian integration with Google Classroom is 90%. The research results are briefly summarised in Table 1.

Table 1.
Teacher Response and Student Response Questionnaire responses as a percentage

Teacher Response		Student Response	
The media can overcome limited experience students have	80%	Quality Aspect Contents	85%
Media can overcome boundaries classroom	75%	Taste Aspect Like	92%
The media can allow direct interaction Between participants and their environment	80%	Evaluation Aspect	88%
Media can add true basic concept, real and right	75%	Aspects of Governance Language	90%
Media can control student learning speed	80%	Aspect Use Illustration	90%
The media can provide comprehensive experience from concrete things until the abstract	80%		
Average	**80%**		**90**

From the table above, when viewed from the response side of teachers and students, it is known that both teachers and students really appreciate and are very happy with the learning carried out by integrating GoGuardion with Google Classroom. This is known from the positive responses they gave to each indicator contained in the questionnaire.

Conclusion

According to the findings of the research, it can be inferred that: (1) with Google Classroom Integration, instructors may immediately transmit students' classwork from inside GoGuardian Teacher. Sharing Google Classroom classwork with students is now simple and available from a single window. (2) The percentage of teachers' responses to the use of GoGuardion integration with Google Classroom in the Islamic Religious Education Learning Process is 80%. If judged from each indicator, 75% of teachers give positive responses to media indicators that can overcome the limitations of students' experience; 80% give positive responses to media indicators that can

overcome classroom boundaries; 75% of teachers give positive responses to media indicators that allow the occurrence of direct interaction between participants and their environment; as many as 80% of teachers give positive responses to media indicators that can add basic concepts that are true, real, and precise; as many as 80% of teachers give positive responses to media indicators that can control student learning speed. And as many as 80% of teachers gave a positive response to indicators. Media can provide a comprehensive experience from the concrete to the abstract. In the student response questionnaire, 85% of students gave a positive response to the indicators of the content quality aspect of the integration of GoGuardion with Google Classroom. An overwhelming majority of students, 92 percent, provided a favourable reaction to the indications indicating that they enjoyed using the integration of GoGuardion with Google Classroom in the learning process of Islamic Religious Education. As many as 90% of students gave positive responses to the grammar aspect indicators, and as many as 90% of students gave positive responses to the illustration usage aspect indicators found in the GoGuardion integration with Google Classroom used in the learning process. Overall, the positive response given by students to learning using GoGuardion integration with Google Classroom is 90%. Based on the results of these percentages, when viewed from the response side of teachers and students, it is known that both teachers and students really appreciate and are very happy with the learning carried out using the help of GoGuardion integration with Google Classroom.

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