Utilization of the Google Sites Platform in Evaluation of Basic Education Programs

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Abstract

Technological developments have progressed and major changes have significantly impacted the world of education. Various platforms can be accessed online, one of which is Google Sites which can be used by anyone, anytime, and for free. However, various challenges are still being experienced in the process of applying Google Sites in education. The digital transformation of education is highly dependent on the capacity of available technology, the adjustment of teaching staff to technological developments, and the background of students who are also able to make an impact. The purpose of this research is to find out the use of the Google Sites platform in various educational programs. The research method used in this study is the SLR (Systematic Literature Review) method which collects data from various journals and articles. The journal content used is related to the use of Google Sites in educational programs. Based on the research results that have been carried out in the research table, it is explained that Google Sites can provide benefits in educational programs, increase student interest in learning, and hone the creativity of educators in presenting needs related to the programs being implemented.

Keywords: *Technology, Education, Google sites, Digital transformation Article.*

Abstrak

Perkembangan teknologi mengalami kemajuan dan perubahan besar yang secara nyata memberikan pengaruh dalam dunia pendidikan. Berbagai platform bisa diakses secara online salah satunya adalah *Google Sites* yang bisa digunakan oleh siapapun, kapanpun, dan secara gratis. Namun berbagai tantangan masih dialami dalam proses pengaplikasian *Google Sites* dalam dunia pendidikan. Transformasi digital pendidikan sangat tergantung pada kapasitas teknologi yang tersedia, penyesuaian tenaga pengajar terhadap perkembangan teknologi, dan latar belakang siswa juga mampu memberikan pengaruh. Adapun tujuan penelitian ini untuk mengetahui pemanfaatan platform *Google Sites* dalam berbagai program pendidikan. Metode penelitian yang digunakan dalam penelitian ini adalah metode SLR (Systematic Literatur Review) yang mengumpulkan data dari berbagai jurnal maupun artikel. Adapun konten jurnal yang digunakan terkait dengan pemanfaatan *Google Sites* dalam program pendidikan. Pada hasil penelitian yang sudah dilakukan pada tabel penelitian, dijelaskan bahwa *Google Sites* bisa memberikan manfaat dalam program pendidikan, meningkatkan minat belajar siswa, dan mengasah kreativitas tenaga pendidik dalam menyajikan kebutuhan terkait program yang dijalankan.

Kata Kunci: *teknologi, pendidikan, google sites, transformasi digital, artikel.*

INTRODUCTION

The world of education has experienced many advances and major changes along with the development of information and communication technology. Many developments have occurred, starting from the learning methods and media used to evaluating programs or implementation in educational infrastructure in an effort to improve the quality of education. Digital transformation is a multifaceted transformation of a business or organization, starting from human resources, processes, strategy and structure, to the adoption of technology to improve performance (Royyana, 2018).The presence of information and communication technology creates people's need for services that

are faster, more transparent and not constrained by time or place. Therefore, the Government is assisted by the Ministry of Education in order to achieve educational goals, trying to work effectively and efficiently. In the next 15 years, the Ministry of Education and Culture has prepared a road map for improving the quality of learning as well as the digital transformation of education (Chabibie, 2020). This includes increasing PISA (Programm for International Student Assessment) scores, with a target for literacy, numeracy and science by 2035. Realizing excellent service to the community, in managing an organization requires good management.

System of Management information is very important in the world of education. Today's society expects and demands quality education services and transparency as well as easy and fast access to information. Rapid technological developments are able to have an impact on the world of education because of the need to continually improve the efficiency and effectiveness of learning and the education system (Simanihuruk, 2019). Information and communication technology refers to a system that uses information and communication technology devices to enable all stakeholders to carry out tasks easily and quickly which is called an information management system (Alfiansyah, 2021). The availability of technological instruments and infrastructure that enable educational services to be provided well and of high quality in the form of a management information system is one solution that can be provided.

The education department is one of the organizations that covers several educational fields, one of which is basic education. The basic education sector houses many technical implementing units such as state schools and private schools which require an information management system that is accountable and fast in providing services that are not limited by time, place and apparatus resources. In order to facilitate these things, the Education Department utilizes a platform called Google Sites, to make it easier for technical implementing units (schools) to report various educational activities and implementation in their units at anytime, anywhere. Google Sites provides easy access to add attached files and information, as well as easy access to information for readers via devices (Camellia, 2021). Google Sites content can be varied according to the wishes of the user, the material displayed can be in the form of text, images and videos. Using Google Sites media also has another advantage, namely that this media is free and can be accessed anytime and anywhere as long as the user has access. The use of interactive learning media effectively increases better learning outcomes for students, percentage of effectiveness the use of interactive learning media reached 85% which was seen based on changes in grades before the use of interactive learning media (Saputra & Effendi, 2021). However, the reality in the field shows that the practice of the Google Sites application is still not widely used and utilized by some teaching staff to support educational infrastructure, so that the existing potential cannot be channeled properly. Some of the challenges of implementing technology in education include: lack of good management, lack of funds for development, lack of competent information technology development, and lack of teacher knowledge and interest in utilizing existing technological advances (Halim, 2018). In fact, 19% of educational units still have difficulty accessing the internet, while 81% or 175,356 schools are connected to the internet (Chabibie, 2020).

So far the Ministry of Education and Culture continues to strive to provide assistance to support the realization of digitalization programs in schools. The number of users using digital platforms related to education has reached 10.2 million users by 2022 (Madrim, 2022). In addition, education-related applications are expected to encourage transparency in the use of education budgets. However, in practice the use of the Google Sites application is still not optimally utilized so the existing potential has not been channeled properly. Nadila (2021) in her research on implementation analysis of Google Sites in social studies subjects at SMPN 265 Jakarta shows that research results show that the application of Google Sites media has not yet increased, even though the process has been assisted by online face-to-face meetings. Diplan and Alkindi (2020) also found that internet access was lacking in stability, internet access speed was relatively slow, and internet coverage had not yet expanded, which were also factors inhibiting the implementation of e-learning based learning media. Several things can influence the effectiveness of using technology in the learning process, such as the adjustment of teaching staff to developments in science and technology, the conditions of students with different backgrounds, and also the available technological capacity (Ghufron & Risnawita, 2015).

The impacts that can be caused by limitations in the application of technology in

educational infrastructure include the productivity and efficiency of teaching staff not being maximized, manuals, costs for school needs not being able to be reduced, limited communication between teaching staff and the community, and the lack of opportunities to collaborate with other agencies (Wicaksono, Paksi, & Supriyono, 2023). In accordance with the description that has been stated, this research aims to find out how much technology is used, especially Google Sites, and at the same time evaluate its use so far. Guyadeen and Seasons (2016) stated that program evaluation is an effort to improve the program through extensive assessment. Assessment is carried out in the education sector continuously and systematically through the availability of existing data. Evaluation is oriented towards identifying if discrepancies are found between planning and implementing activities so that they can be corrected. Thus, this article on the use of the Google Sites platform in evaluating programs in the field of basic education can provide benefits regarding a management information system that is easy, cheap, safe and fast to access which can be accessed anytime and anywhere by technical implementation units or education units.

METHOD

Types of research

The method used by the author in this research uses the SLR (Systematic Literature Review) method, where the discussion of data collection uses documentation and reviews articles related to Google Sites. The SLR method is used to review, interpret, evaluate and identify all available research in interesting topic areas, with certain relevant research questions (Triandini et al, 2019). To support data needs, researchers conducted interviews with teaching staff in several elementary schools. The results of interviews related to the use of Google Sites explained that the use of Google Sites in evaluating basic education programs has great potential to increase the efficiency and effectiveness of the evaluation process. Interview results show that Google Sites provides various benefits, such as ease of access, increased collaboration, and time and cost savings. In interviews, respondents said that Google Sites makes it easier to access and share information. With this platform, stakeholders can easily access and view evaluation results without needing to meet physically. This helps facilitate a more open and transparent evaluation process.

Google Sites also enables better collaboration between stakeholders. Respondents mentioned that they can collaborate online, share ideas, and provide feedback directly through Google Sites. This allows them to collaborate effectively in the evaluation process, improving the quality and accuracy of evaluation results.

Using Google Sites can also save time and costs. Respondents stated that by using Google Sites, they no longer need to physically print and distribute evaluation reports. This reduces printing and shipping costs, and saves time previously spent distributing reports. In addition, Google Sites also allows stakeholders to easily search and access evaluation reports that have been stored digitally. Although the use of Google Sites in evaluating basic education programs has many benefits, there are also several challenges that need to be overcome. Respondents stated that there were technical obstacles in using Google Sites, such as limited features and technical skills required. Apart from that, they are also concerned about data security and privacy, considering that information related to the evaluation of basic education programs is sensitive.

To overcome these challenges, respondents recommended better training and technical support in using Google Sites. This can help improve stakeholders' technical skills and maximize the potential of using Google Sites in the evaluation of elementary education programs. Overall, the use of Google Sites in evaluating basic education programs has great potential. With existing features, Google Sites can make it easier to collect data, carry out surveys, document evaluation results, and collaborate between teachers and educational staff. However, efforts need to be made in terms of training and data protection so that Google Sites can be used effectively and safely.
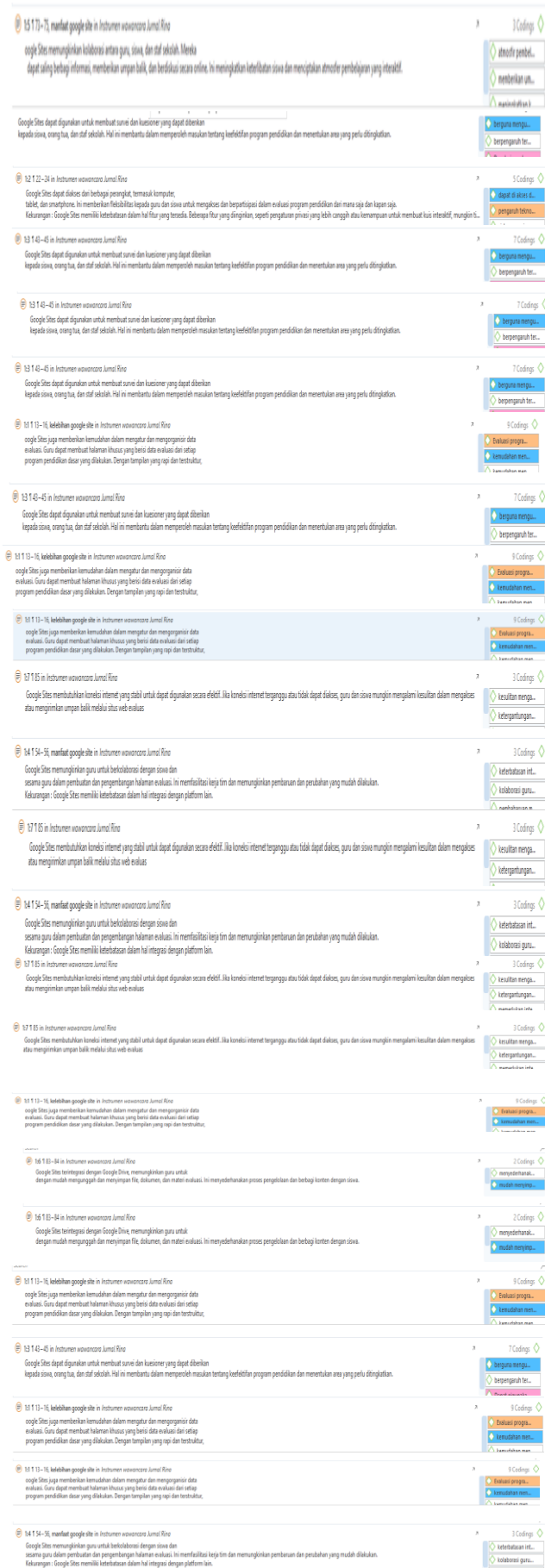
Procedure

The author looked for data or literature material from journals and articles obtained from Google Scholar, SINTA, Research Gate, Scopus, and DOAJ. The articles used are only articles with a publication time period of 2021 to 2023. To collect additional data through the interview process, researchers have prepared an interview guide on the topic of utilizing Google Sites.

Data analysis technique

The data is already collected and then analyzed by reading (Text Reading), understanding, studying and recording information related to the problem to be studied, thus making it easier to prepare research (Andriani, 2022). The data collected is the latest data in the field so it can be used as a strong basis for the content or discussion. From this research, the content is related to the use of the Google Sites platform in evaluating basic education programs. The researcher searched and collected several journals and drew several conclusions and then studied them in depth in a detailed manner so that there was a good final result that was in line with what was expected.

RESULTS AND DISCUSSION

Using the Google Sites platform as a learning medium provides many benefits, but on the other hand, it is also necessary to pay attention to the teacher's ability to maximize the use of Google Sites. The output of performance will depend greatly on the extent to which Google Sites can be used. The following are research results from analysis and summaries of a number of journals which contain the use of the Google Sites platform which will later be used as a reference for evaluations related to basic education programs. Based on the results of interviews in the field, codes for statements R1, R2, R3 were found; "free media", "makes it easier for students and teachers", "easy to save files", "easy to analyze", "easy to evaluate", "influence of technology", "digital transformation of education", "useful for collecting data", "accessible easily", "becomes a necessity", "communication and information technology", "evaluation of educational programs", "easy to manage data", "can be used by anyone".
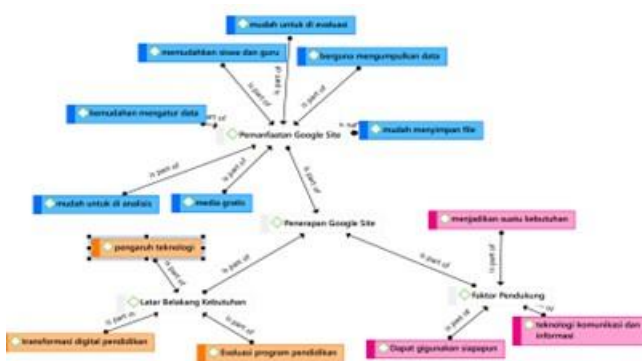
Figure 1. List of Participant Codes

From the codes obtained from all of the participants, the following concept map was obtained:

Researcher and Year	Journal	Research result
Yushtika Muliana Pubian, Herpratiwi, 2022	Akademika: Journal of Educational Technology	Based on the results of research that has been carried out, it is explained that Google Sites can be used as a learning medium in the classroom considering the technological revolution in the world of education, students are considered more interested in participating in the learning process at the elementary school level.
Husin Saputra, Dina Octaria, Asnurul Isroqmi, 2022	Derivative Journal	This research concludes that the Google Sites media that researchers have developed themselves has potential, valid and practical effects. Google Sites learning media on functional derivative material is worthy of being used as teaching material.
Rezka Nurliswati, Nurlizawati Nurlizawati, Annisa Citra	Naradidik: Journal of Education & Pedagogy	The results of the research show that the Google Sites application which underlies learning media can improve

Author	Journal	Description
Triyandra, 2022		student learning outcomes. The achievement of the first learning outcome was 67.4 which then rose to 82.3 at the second meeting after using Google Sites as a learning medium.
Norelyn H. Data, 2022	Asian Journal of Applied Research for Community Development and Empowerment	This research, entitledMaximum Utilization of Google Sites (MUGS) in Teaching English for Academic and Professional Purposes, found that Google Sites are very effective in being used as a learning medium,especially distance learning. It is highly recommended for schools to adopt and implement the use of the Google Sites platform to help increase theirinvolvement and independent learning process.
Wisnu Kurniadi, Jusriati, Syafriadi, 2021	National Conference on Computer Science (KONIK)	Online learning media such as Google Sites are able to help students and lecturers carry out online learning, make it easier for students to understand the material, and
Riska Putri Wulandani, Melisa Putri Siti Zahrani, Faras Julian Yasykur, Ani Nur Aeni, 2023	Journal on Education	train lecturers to independently develop this website-based media. *Google Sites* which is used as digital media for PAI learning in elementary schools makes the learning delivery process easier because the animated videos used are very interactive. Students become more motivated to learn.
Vicky Dwi Wicaksono, Hendrik Pandu Paksi, Supriyono, 2022	ICLIRBE: International Conference on Learning Innovation and Research in Basic Education	The results of the literature analysis carried out are that many schools in Indonesia use Google Sites as a learning medium compared to other activities. This is a challenge for teaching staff to improve their skills regarding operating technology to increase students' digital literacy.
Jusriati, Nasriandi, Wisnu Kurniadi, Ratna, 2021	Journal of English Education	One of the consequences of the COVID-19 pandemic is that learning must be done remotely. The use of Google Sites has proven effective in teaching EFL material to students.

Improving the quality of education will be greatly influenced by various components, including the role of schools in utilizing technological developments. Schools have teaching staff who play a very important role in improving the quality of education, one way is by being competent in using technology in the process of running school programs and providing services to the community. Innovation in the field of education in utilizing the availability of varied learning resources such as Google Sites has been proven to be able to increase learning effectiveness for elementary school students (Pubian & Herpratiwi, 2022). Google Sites has great potential, is practical in its use, and has valid value in its implementation as a learning medium. Ekayani (2017) assesses learning media as anything that can be used to stimulate the thoughts, feelings, abilities and skills of students so that they can encourage the learning process.

The Google Sites platform can be an alternative that can contribute information and ideas to schools. Therefore, it is hoped that the school will be able to maximize the application of Google Sites as a learning medium and provide adequate motivation and training for class teachers to be able to implement it well. Based on research conducted by Nurliswati et al (2022) regarding the application of Google Sites in an effort to improve student learning outcomes, it shows that the achievement of learning outcomes has increased significantly after using Google Sites as a learning medium.

Learning must be carried out as effectively as possible to help develop students' thinking power, therefore the factor of teaching staff as facilitators will be very influential. Effective learning starts from planning the lesson, implementing it, until the learning objectives are achieved. Not only does the quality of students increase when learning objectives are achieved, but the quality of teaching staff and schools also increases. Technological developments have benefits in the process of adapting the teaching styles of teaching staff, technology that continues to develop is a challenge to continue to improve the abilities and skills of teaching staff regarding the application of technology to increase

students' digital literacy (Wicaksono, Paksi, & Supriyono, 2022)

Even though for now the teaching and learning process has returned to normal face-to-face, it is hoped that the use of technology as a learning medium such as Google Sites will still be utilized as fully as possible. The combination of two models of face-to-face learning with online learning that is carried out well can improve the quality of learning and improve the quality of schools.

CONCLUSION

Based on the results of research that has been carried out in the research results table, it is explained that the Google Sites platform can be used in various school programs both in the classroom and professionally for teaching staff. Maximum use of Google Sites can increase students' interest in learning and continue to hone the abilities and creativity of teaching staff.

SUGGESTION

Suggestions describe things that will be done related to further ideas from the research. Obstacles or problems that can influence research results are also presented in this section.

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