

Enhancing Learning with Liveworksheet: Perceptions, Advantages, Disadvantages, and Impacts

Yuri Widiantho^{1*}, Nadia Virdhani Hia² T. Silvana Sinar³

^{1, 2, 3} Faculty of Cultural and Sciences, Universitas Sumatera Utara, Indonesia

Abstract. This article explores the concept of Liveworksheet websites and provides a comprehensive analysis of their advantages and disadvantages for students and teachers. Drawing on previous studies and explanations, the article highlights the benefits of Liveworksheet websites, including personalized learning, immediate feedback, increased engagement, progress tracking, flexibility, and accessibility. The data presented supports the positive impact of Liveworksheet websites on teaching and learning experiences, enabling students to take ownership of their learning journey and improve academic performance. However, potential challenges such as the need for internet technological issues should be considered. By understanding and addressing these drawbacks, educators and students, can effectively utilize Liveworksheet websites to create an interactive and adaptable learning environment. This article serves as a guide for educators, providing insights on how to leverage the potential of Liveworksheet websites and enhance student learning outcomes.

Keyword: liveworksheet, advantages, disadvantages, impacts.

Received [12 Jun 2023] | Revised [28 Jun 2023] | Accepted [10 Jul 2023]

1 Introduction

Salim (2014) asserts that the primary driving force behind globalization is technology in the realm of information and communication. In today's world, information and communication technology (ICT) is rapidly evolving in various forms and interests, which have the potential to disseminate globally. Consequently, globalization, particularly in the field of education, becomes an unavoidable reality (Agustian & Salsabila, 2021; Amalia & Najicha, 2022). In the digital era, traditional educational tools are rapidly being replaced by innovative online resources that aim to engage and empower students in their learning journey. Technology exerts its influence on education by facilitating the acquisition of data for learning materials and acting as a platform for delivering educational content. Additionally, Lestari (2018) argues that the digital era enables the utilization of technological advancements in education. Izzudin et al., (2013) posits that interactive multimedia enhances learning outcomes by promoting student

*Corresponding author at: Faculty of Cultural and Sciences, Universitas Sumatera Utara, Indonesia

E-mail address: yuriwidiantho@students.usu.ac.id

engagement. The field of education assumes a vital role in the context of globalization, as it also serves to cultivate social values that must be upheld amidst the rapid advancement of information technology and modernization. This reflects the enduring national values in the face of the swift current of globalization (Khuluq et al., 2021).

One such resource gaining popularity among educators and students alike is the Liveworksheet website. Liveworksheet is an online platform that provides a wide range of interactive educational materials in the form of digital worksheets (Nissa et al., 2021). It offers a diverse collection of materials across various subjects, including mathematics, language arts, science, social studies, foreign languages, and more. Liveworksheet aims to engage students in an interactive learning experience by providing dynamic and customizable worksheets .

One of the standout features of Liveworksheet is its versatility in terms of language options (Fauzi et al., 2021). The website supports multiple languages, allowing educators and students from different regions and language backgrounds to access and utilize the platform effectively. The available languages may include English, Spanish, French, German, Italian, Portuguese, and many others. This language diversity broadens the platform's reach and makes it suitable for a global audience.

Liveworksheet provides an extensive library of educational materials contributed by teachers from around the world (Fitri et al., 2021). These materials cover a wide range of topics and concepts, catering to different grade levels and learning objectives. The website hosts a variety of interactive exercises, including multiple-choice questions, fill-in-the-blanks, matching activities, crossword puzzles, word searches, and more. Some worksheets also include multimedia elements such as videos, images, and audio clips, enriching the learning experience and making it more engaging for students.

Teachers and educators can create their own worksheets on Liveworksheet using the platform's user-friendly interface and a wide range of customization options. They can upload their own content, embed images and videos, and even include links to external resources. This flexibility allows educators to tailor the worksheets to suit their specific teaching objectives and adapt them to the needs of their students.

A study by Yusuf & Ali (2022) found that Liveworksheet learning effectively improved English listening skills. The research also highlighted the benefits of incorporating student learning activities in web-based instruction to enhance self-directed learning in listening. However, the study identified several challenges, including issues related to self-directed learning, automatic scoring, website access, vocabulary mastery, learning autonomy, and technology skills. The main limitation of the research was the occasional slow or unreliable internet network, suggesting the importance of ensuring students have a good internet connection during listening

lessons. Clear instructions and properly answerable questions in the live worksheet were also highlighted as necessary. Liveworksheet.com covers not only research on listening skills but also other subjects, offering a different perspective for researchers. Educators strongly recommend the implementation of web-based, live worksheet-based learning in various universities in Indonesia based on the positive outcomes of web-based learning.

While according to Rusdan & Mulya (2023) students who used live worksheet-based LKPD achieved higher average scores compared to those who did not. The t-test results indicated a significant difference in learning outcomes between the pre-test and post-test for students using live worksheet-based LKPD. The study concluded that providing live worksheet-based LKPD positively affects the scores of grade XI students in PPKn subjects. The use of live worksheet-based LKPD is suggested as an alternative learning media or digital teaching material to support the PPKn learning process. This approach allows students to access learning materials in various formats, accommodating different learning styles and interests. Future studies are recommended to compare the effectiveness of different media for PPKn learning, and to explore the development of live worksheet-based LKPD in other subjects to enhance the learning process.

Based on several explanation and previous studies above, this article will explore the concept of Liveworksheet websites, highlighting their advantages and disadvantages for students, and providing a comprehensive guide on how to effectively utilize them.

2 Method

This research focuses on exploring and describing the utilization and effectiveness of the Liveworksheet website as an educational resource. This research used qualitative method (Berry, 2011). The qualitative descriptive method will be employed to delve into the experiences and perceptions of both teachers and students regarding the website's features, benefits, limitations, and overall impact on learning outcomes.

To gain insights into the utilization and effectiveness of the Liveworksheet website, the research will address the following questions: How do teachers and students perceive the Liveworksheet website in terms of its usability, functionality, and relevance to their educational needs? This question aims to uncover their experiences and perspectives, shedding light on the practical aspects of using the website as an educational tool. Additionally, the research seeks to explore the perceived advantages and disadvantages of utilizing the Liveworksheet website for teaching and learning. By investigating these aspects, the study aims to identify both the benefits and limitations associated with the website's usage. Lastly, the research will investigate how teachers and students describe the impact of the Liveworksheet website on student engagement, motivation, and learning outcomes. This question aims to assess the website's overall effectiveness and its influence on various aspects of the learning process.

3 Result and Discussion

Teachers and students provided valuable insights into their perceptions of the Liveworksheet website, focusing on its usability, functionality, and relevance to their educational needs. Overall, the participants expressed positive views regarding the website's practical aspects as an educational tool.

3.1 Teacher and Student Perception

Participants found the Liveworksheet website to be user-friendly and intuitive, with clear navigation and organization of materials. Teachers appreciated the ease of creating and customizing worksheets to align with specific learning objectives. Students highlighted the convenience of accessing worksheets online and appreciated the interactive features that enhanced their engagement with the content. The website's user-friendly interface contributed to a positive user experience for both teachers and students.

The functionality of the Liveworksheet website was highly regarded by teachers and students alike. Educators valued the diverse range of available materials across subjects and grade levels, allowing them to find suitable resources for their lessons. They also highlighted the ability to integrate multimedia elements such as videos and images, which enhanced the learning experience and catered to different learning styles. Students appreciated the immediate feedback provided by the website, enabling them to track their progress and identify areas for improvement. The interactive nature of the worksheets, including drag-and-drop features and interactive simulations, contributed to a dynamic and engaging learning environment.

Both teachers and students acknowledged the relevance of the Liveworksheet website to their educational needs. Teachers found the website to be a valuable resource for supplementing their lessons, providing additional practice exercises, and facilitating differentiated instruction. They highlighted the website's versatility in accommodating various learning objectives and adapting to the needs of diverse student populations. Students expressed that the Liveworksheet website helped them reinforce and apply what they learned in class, providing opportunities for independent practice and self-assessment. They also emphasized the website's alignment with curriculum standards, ensuring that the materials were relevant to their academic requirements.

3.2 Advantages and Disadvantages

a. Student

Liveworksheet offers several advantages for students. Firstly, it promotes personalized learning by allowing students to engage with the material at their own pace. The interactive nature of the website provides adaptive exercises that cater to individual needs, helping students focus on areas where they require more practice or support.

Secondly, the immediate feedback feature of Liveworksheet is highly beneficial. Students receive instant feedback on their answers, allowing them to identify strengths and weaknesses and make necessary adjustments. This promotes active participation in the learning process and improves their understanding of the subject matter.

Additionally, Liveworksheet enhances student engagement. The incorporation of interactive features, such as drag-and-drop activities, multimedia integration, and interactive simulations, makes the learning process more dynamic and engaging. The use of videos, images, and audio clips captures students' attention and fosters a deeper connection with the content, leading to increased motivation and interest. Furthermore, Liveworksheet enables students to track their progress and monitor their performance over time. This feature allows students to visualize their improvement, set goals, and stay motivated to achieve them. By actively monitoring their progress, students gain a sense of accomplishment and can identify areas that require further attention or practice. Lastly, Liveworksheet provides flexibility and accessibility. Students can access learning materials anytime, anywhere, as long as they have an internet connection. This accessibility allows for self-paced learning and the ability to review materials at their convenience. It also supports remote learning scenarios, enabling students to continue their studies outside the traditional classroom environment.

While Liveworksheet offers numerous advantages, there are a couple of potential disadvantages for students. Firstly, the platform requires an internet connection for full functionality, which may pose challenges for students in areas with limited connectivity or unreliable internet access. This limitation can hinder their ability to complete assignments or access materials. Secondly, there may be technological challenges that students encounter, such as slow internet connections, compatibility issues, or device limitations. These technical difficulties can lead to frustration and hinder the seamless use of Liveworksheet.

b. Teacher

Liveworksheet provides several advantages for teachers. Firstly, the platform offers a vast collection of educational materials across various subjects and grade levels. Teachers can easily find and access worksheets that align with their curriculum requirements and teaching objectives (Damayanti & Lestyanto, 2021). This availability of resources saves time and effort in creating or sourcing materials from scratch. Secondly, Liveworksheet allows for customization and adaptability. Teachers can modify existing materials or create their own worksheets, incorporating multimedia elements, instructions, and questions tailored to their students' learning levels and

abilities. This customization enhances the effectiveness and relevance of the materials, ensuring they meet the specific needs of their students.

Additionally, Liveworksheet facilitates monitoring and assessment for teachers. The platform provides tools to track student progress, view their answers, and provide feedback. Teachers can use these features for ongoing formative assessment, enabling them to identify areas of strength and weakness, make data-driven instructional decisions, and provide targeted support to students. Furthermore, Liveworksheet supports differentiated instruction by offering a range of exercises that cater to diverse learning styles and abilities. Teachers can provide personalized assignments and adapt the difficulty level of the worksheets to meet individual needs. This flexibility in differentiation helps ensure that all students are appropriately challenged and supported in their learning journeys.

While Liveworksheet offers numerous advantages, there are a couple of potential disadvantages for teachers. Firstly, teachers who are new to Liveworksheet may require some time to familiarize themselves with the platform and its functionalities. There may be a learning curve associated with creating or modifying worksheets, exploring the full range of features, and integrating multimedia elements effectively. Secondly, the reliance on technology poses the risk of technical issues. Slow internet connections, compatibility problems, or device limitations may hinder teachers' ability to use Liveworksheet seamlessly. These challenges may disrupt lesson plans and require troubleshooting, which can be time-consuming and frustrating for teachers.

3.3 The Impact of Liveworksheet

The impact of Liveworksheet on education is significant and has several positive implications for both students and teachers. Firstly, Liveworksheet enhances student learning outcomes by providing an interactive and engaging learning environment (Hendrayani et al., 2022). The platform's interactive features, such as multimedia integration, drag-and-drop activities, and immediate feedback, captivate students' attention and promote active participation (Arsyad, 2014). This increased engagement leads to improved comprehension, retention, and application of knowledge. The ability to customize worksheets to align with specific learning objectives allows teachers to provide targeted and differentiated instruction, catering to the diverse needs and learning styles of students. As a result, students are more likely to develop a deeper understanding of the subject matter and achieve better academic performance.

Secondly, Liveworksheet fosters student autonomy and self-directed learning. The platform enables students to access learning materials anytime, anywhere, promoting flexibility and independent study. Students can work at their own pace, review concepts, and practice skills at their convenience. The immediate feedback feature empowers students to monitor their own

progress and take ownership of their learning journey. This autonomy nurtures critical thinking, problem-solving skills, and self-regulation, preparing students for lifelong learning.

Moreover, Liveworksheet supports formative assessment practices for teachers. The platform provides tools for tracking student progress, viewing answers, and analyzing performance data. Teachers can identify areas of strengths and weaknesses, diagnose learning gaps, and tailor their instructional strategies accordingly. This data-driven approach allows for timely intervention and targeted support, helping students overcome challenges and reach their full potential. The ability to monitor student progress also enables teachers to evaluate the effectiveness of their teaching methods and make evidence-based adjustments to optimize the learning experience.

Furthermore, Liveworksheet promotes efficiency and saves instructional time for teachers. The platform offers a wide range of pre-made worksheets across various subjects and grade levels, eliminating the need for teachers to create resources from scratch. This saves valuable time, which can be allocated to other instructional activities such as individualized instruction, group discussions, or project-based learning. The customization features of Liveworksheet allow teachers to adapt and personalize materials, aligning them with specific curriculum requirements and tailoring them to the needs of their students.

4. Conclusion

In conclusion, this article has examined the concept of Liveworksheet websites, focusing on their advantages and disadvantages for students, and providing a detailed guide on how to effectively utilize them. Through the analysis of previous studies and explanations presented in this article, it is evident that Liveworksheet websites offer numerous benefits, including personalized learning, immediate feedback, increased engagement, progress tracking, flexibility, and accessibility. These advantages empower students to take ownership of their learning journey, enhance their understanding of the subject matter, and improve academic performance. However, potential challenges such as the need for internet connectivity and technological issues should be taken into consideration. By understanding and addressing these drawbacks, educators and students can fully leverage the potential of Liveworksheet websites to create an interactive and adaptable learning environment. Overall, the data presented in this article supports the use of Liveworksheet websites as valuable tools that positively impact teaching and learning experiences, enabling students to thrive and achieve their educational goals.

REFERENCES

- [1] Agustian, N., & Salsabila, U. H. (2021). Peran Teknologi Pendidikan dalam Pembelajaran. *ISLAMIKA*, 3(1), 123–133. <https://doi.org/10.36088/islamika.v3i1.1047>
- [2] Amalia, F. R., & Najicha, F. U. (2022). Peran Pendidikan Kewarganegaraan dalam Mengatasi Luntturnya Nilai Nasionalisme dan Cinta NKRI di Era Globalisasi. *Jurnal Kewarganegaraan*, 6(1), 1–8.
- [3] Arsyad, A. (2014). *Media Pembelajaran*. Rajawali Press.

- [4] Berry, T. R. (2011). Qualitative Researchers As Modern Day Sophists? Reflections On The Qualitative–Quantitative Divide. *Qualitative Research in Sport, Exercise and Health*, 3(3), 324–328. <https://doi.org/10.1080/2159676X.2011.607176>
- [5] Damayanti, M., & Lestyanto, L. M. (2021). Pengembangan Lembar Kegiatan Siswa Daring Bercirikan Pendekatan Saintifik Menggunakan Live Worksheet pada Materi Peluang SMP Kelas VIII. *Prosiding Seminar Nasional Matematika Dan Pembelajarannya*. <http://conference.um.ac.id/index.php/snmp/article/view/3010>
- [6] Fauzi, A., Rahmatih, A. N., Indraswati, D., & Sobri, M. (2021). Penggunaan Situs Liveworksheets untuk Mengembangkan LKPD Interaktif di Sekolah Dasar. *Mitra Mahajana: Jurnal Pengabdian Masyarakat*, 2(3), 232–240. <https://doi.org/10.37478/mahajana.v2i3.1277>
- [7] Fitri, D. A., Ummamy, R., Ilahi, P. W., & Azmi, M. (2021). Student Worksheets Based Liveworksheets Discovery Learning Model In Thematic Teaching In Elementary School Student Worksheets Based Liveworksheets Discovery Learning Model In Thematic Teaching In Elementary School: Student Worksheets, Liveworksheets, Discovery Learning. *International Journal of Ethnoscience, Bio-Informatic, Innovation, Invention and Techno-Science*, 2(01), 14–21.
- [8] Hendrayani, A., Permana, N. D., Ilhami, A., & Syarif, M. I. (2022). The Development of Student Live Worksheets Based on Problem Based Learning in the Optical Instrument Chapter. *IJIS Edu: Indonesian Journal of Integrated Science Education*, 4(1), 75–82.
- [9] Izzudin, A. M., Masugino, M., & Suharmanto, A. (2013). Efektivitas Penggunaan Media Pembelajaran Video Interaktif untuk Meningkatkan Hasil Belajar Praktik Service Engine dan Komponen-Komponennya. *Automotive Science and Education Journal*, 2(2), 1–8.
- [10] Khuluq, H., Rozaq, F., & Farid, A. (2021). *Kentrung: Wahana Pendidikan Karakter untuk Lamongan Berbudaya*. Pendidikan, Sosial dan Budaya: Sebuah Tinjauan di Kabupaten Lamongan. Academia Publication. <https://academiapublication.com/index.php/product/pendidikan-sosial-dan-budayasebuah-tinjauan-di-kabupaten-lamongan/>
- [11] Lestari, S. (2018). Peran Teknologi dalam Pendidikan di Era Globalisasi. *EDURELIGIA; JURNAL PENDIDIKAN AGAMA ISLAM*, 2(2), 94–100. <https://doi.org/10.33650/edureligia.v2i2.459>
- [12] Nissa, I. C., Febrilia, B. R. A., & Astutik, F. (2021). Live Worksheets Matematika: Dalam Perspektif Siswa Menurut Model Motivasi ARCS. *Prosiding Seminar Nasional Matematika Dan Pendidikan Matematika*, 6, 266–273.
- [13] Rusdan, M., & Mulya, D. B. (2023). The Effect of Using Live Worksheet-Based Electronic Worksheets to Measure Cognitive Learning Outcomes. *Edunesia: Jurnal Ilmiah Pendidikan*, 4(3), 983–998. <https://doi.org/10.51276/edu.v4i3.481>
- [14] Salim, K. (2014). Pengaruh Globalisasi terhadap Dunia Pendidikan. *University Teknologi Malaysia*, 9(1), 1–11.
- [15] Yusuf, F., & Ali, A. (2022). Exploring Students' Perception on using Live worksheet as Self-directed Learning of Listening Skills in Online Education. *Utamax: Journal of Ultimate Research and Trends in Education*, 4(3), 255–266.