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Development of Online Platforms that are Responsive to the Needs of Students in Building the Future of Islamic Education

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Abstrak

Kata Kunci:
Pendidikan Islam;
Platform Online;
Responsif

Seiring dengan kemajuan teknologi, pengembangan teknologi pendidikan seperti platform online menjadi penting untuk meningkatkan kualitas pendidikan. Hal ini disebabkan oleh fakta bahwa *platform* online dapat berfungsi sebagai alat yang efektif untuk membantu masyarakat luas mempelajari agama Islam. Dengan adanya platform online, informasi dan pembelajaran tentang agama Islam dapat diakses dengan cepat dan mudah oleh siapa saja. Penelitian ini bertujuan untuk mengidentifikasi kebutuhan dan tantangan dalam pembelajaran Islam secara online, menganalisis tren dan kemajuan teknologi saat ini, dan menemukan strategi pengembangan dan peningkatan berkelanjutan untuk memastikan bahwa platform online tetap relevan dan efektif dalam memenuhi kebutuhan siswa. Platform pendidikan Islam secara online harus menawarkan konten yang kaya dan berkualitas tinggi. Dalam penelitian ini, metode studi kepustakaan atau literatur review digunakan. Literatur dapat diakses dari berbagai sumber, seperti jurnal, buku, dokumentasi, internet, dan pustaka. Pembahasan Tren, Kebutuhan, tantangan serta strategi dalam mengembangkan platform online yang responsif untuk pendidikan Islam, Pengembangan platform online yang responsif terhadap kebutuhan siswa sangat penting untuk meningkatkan kualitas pendidikan dan memenuhi kebutuhan siswa. Platform online yang responsif dapat memenuhi kebutuhan siswa dengan berbagai fitur, seperti metode pembelajaran interaktif, akses mudah ke sumber belajar, dan dukungan teknis yang handal. Penggunaan platform online yang responsif dapat meningkatkan pendidikan dan membantu siswa mencapai tujuan belajar.

Abstract

Keywords: Islamic Education; Online Platform; Responsive

Along with technological advances, the development of educational technologies such as online platforms has become essential to improving the quality of education. (Fauzi & Arifin, 2023) (Manan, 2023). This is because online platforms can serve as an effective tool to help the wider public learn the Islamic religion. With an online platform, information and learning about Islam can be accessed quickly and easily by anyone, at any time, and anywhere via internet technology. The research aims to identify needs and challenges in online Islamic learning, analyze current trends and technological advances, and find sustainable development and improvement strategies to ensure that online platforms remain relevant and effective in meeting the needs of students. Online Islamic education platforms should offer rich and high-quality content. In this study, the method of study library or literature review is used. Literature can be accessed from a variety of sources, such as journals, books, documentation, the Internet, and libraries. Discussing Trends, Needs, Challenges, and Strategies in Developing a Responsive Online Platform for Islamic Education, Developing an Online Platform that is Responsive to Student Needs is essential to improving the quality of education and meeting student needs. Responsive online platforms can meet student needs with a variety of features, such as interactive learning methods, easy access to learning resources, and reliable technical Support.

INTRODUCTION

Along with technological advancements, the development of educational technology such as online platforms has become important to improve the quality of education. (Fauzi & Arifin, 2023) (Manan, 2023). This is due to the fact that online platforms can serve as an effective tool to help the wider public learn about the religion of Islam. With the existence of online platforms, information and Learning about the religion of Islam can be seen quickly and easily by anyone, anytime, and anywhere through internet technology. In addition, the technology can be used to build online learning platforms that

allow Muslims to get course materials at their desired time and place. (Arikarani & Amirudin, 2021) (Manan, 2023)

With the online platform, Islamic teachers can send lessons and assignments to students digitally. This allows the teaching and learning process to continue in situations where in-person meetings are not possible. With an online platform, students can gain knowledge individually and adjust their learning hours as needed. (Sakti, 2023) (Rambung et al., 2023). The use of media also makes it easier for teachers to fulfill their duties as teachers. Teachers can continue to teach and impart knowledge to their students who

think they are using online media.

Therefore, the development of online Islamic education platforms can be very beneficial for the spread and understanding of Islam in the computer age and internet moment, this opens the door to a broader understanding of the religion of Islam, regardless of its geographical location. Online learning has become an important part of education religion Islam because it allows people all over the world to access courses, subject matter, and religious discussions. (Alfi et al., 2023). Learning is also more interactive, which makes it possible student to talk directly with their teachers and use multimedia resources to Increase their understanding.

Technology enables monitoring and Evaluation which is more intense toward students' progress in Islamic religious learning. The data obtained can be used to improve strategy. learning and increase the effectiveness of religious education. (Romadanti, 2023). For example, an Islamic teacher can provide his students with teaching videos on Quranic exegesis through an online platform, and then give them the task of writing a summary of the tafsir. In this way, students can expand their understanding of the religion of Islam and learn more flexibly according to their pace.

During the COVID-19 pandemic, online learning platforms served as a medium to deliver lessons online, improve teachers' ability to manage digital platforms, and provide students

with access to distance learning. (Huriyatunnisa, 2022) (Buana, 2022). However, it is possible that students do not have a stable internet connection or enough devices to access such online platforms. In addition, it is possible that some students need more direct guidance from their teachers in understanding Islamic religious concepts. As a result, the use of online platforms may not be effective for them. Thus, it is important for educators to always help and guide students when understanding Islamic religious material. Teachers can answer students' questions directly and provide more in-depth explanations to ensure that students really understand the concepts being taught.

In addition, teachers can assign additional assignments that do not rely on online platforms, so that students who do not have internet access can learn well. It is hoped that the combination of online and offline approaches will help all students more understand Islam. (Marwanto, 2021) (Mu'minah & Gaffar, 2020).

To improve students' understanding, it is very important to always consider the issue of response to needs in Islamic education. Some factors to consider include a variety of different learning styles, the diversity of student backgrounds, and the student's level of initial understanding of the material being taught. (Sari, 2019). Therefore, in order to know that students are engaged and get the maximum benefit from the Islamic

learning process, there needs to be an inclusive and holistic approach. This can be achieved by providing many different learning methods to suit the student's learning style, providing additional learning for students who are experiencing difficulties, and conducting periodic evaluations to ensure that the student understands the material correctly. "Previous learning experiences can affect the effectiveness of Islamic studies learning through online platforms with adaptive learning technology tailored to student needs [1]. E-learning and blended learning can also help deliver religious teaching materials, Arabic language learning, and Islamic studies effectively [2]." (Astuti et al., 2023) (M. I. N. efendi Sholeh, 2023) (M. I. Sholeh, 2023).

Therefore, Islamic education that meets needs will be more effective and efficient and can help students achieve their potential spiritually and academically. Apart from that, support from parents, educators and the school environment is also very important to make the class more inclusive and support students' understanding of the teachings of the Islamic religion. For example, teachers can give students extra time to repeat material that is difficult to understand and involve parents in the learning process so they can provide support at home. Therefore, students will not only gain a better understanding of the teachings of the Islamic religion, it will also produce a fun and motivating learning environment for students. However,

when a teacher does not pay extra attention to students who need help, these students continue to lag in understanding Islamic religious material. This is an example that goes against an inclusive and supportive learning environment

Apart from that, the lack of parental support in the learning process can cause a gap between home and school, so students do not get help from parents in overcoming challenges when studying from home. (Pratiwi, 2021) (Counseling Guidance & Nursalim Study, 2020). This can cause students to feel isolated and less willing to learn. As a result, their academic performance is affected as well. Thus, parents and educators need to work together to create inclusive learning conditions and motivate each student to achieve their best abilities. It needs to be understood, the relationship between family and school will become stronger and have a positive impact on students' academic development.

This research aims to identify the needs and challenges in online Islamic learning, analyze current technological trends and advances, and find continuous development and improvement strategies to ensure that online platforms remain relevant and effective in meeting student needs. Online Islamic education platforms must offer rich and high-quality content.

RESEARCH METHODS

In this research, the literature study or literature review method was used. Literature can be accessed from various sources, such as journals, books, documentation, the internet and libraries. Literature study is a series of actions that include reading, taking notes, and managing writing materials. (Subagiya, 2023)

RESULTS AND DISCUSSION

Current Online Platform Development Trends in Islamic Education

Today's online Islamic education covers a wide range of things, keeping up with technological advances and student needs. Some of the trends that can be observed are as follows:

1. Use of Technology-Based Learning Platforms: Increased use of online learning platforms such as learning management systems (LMS) which enables student-teacher interaction and online assessment, as well as easy access to course materials. (Andari, 2022).
2. Adaptive Learning: Learning methods that are tailored to the needs and progress of individual students get a more flexible and effective learning experience. Adaptive learning is a learning process that uses new technological advances to obtain better and faster learning outcomes. Examples are the use of algorithms and artificial intelligence, video, animation, etc. (Sappaile et al., 2024)
3. Multimedia and Interactive Content: Use of multimedia content such as learning videos, animations, E-Books Speakers and simulations to explain complicated concepts in Islamic Studies through media are more interesting as well as easy to understand.
4. Collaborative Learning Platform: allows students to interact, share ideas, and learn from one another through group projects, online forums, and online discussions. Examples of Google Docs, WhatsApp.
5. Game-Based Learning: Incorporating elements of games (gamification) in the educational process to increase student engagement and motivation to learn Islamic religious and cultural concepts. (Serly et al., 2022) (Daulay et al., 2023) (Fameska et al., 2023)
6. Platform with multicultural approach: One model of multicultural approach to Islamic religious learning relates to existing diversity, including religious, ethnic, linguistic, and other diversity. (Hasnawati, 2020) examples of online media that are sometimes used: Podcasts, and TikTok.
7. Online Certification and Training: Certification and training programs in Islamic Studies are available online, allowing wider access for

those who wish to deepen their understanding of the Islamic religion and culture without being limited to geographic location. Commonly used media: Zoom, Google Meet, etc.

Needs and Challenges in developing an online platform responsive to Islamic education

The need to develop an online platform for Islamic education

Technology and social media make it easier for people who live in remote areas or have physical limitations to access public services through electronic devices such as smartphones, tablets, or computers that have connection internet (Mokobombang et al., 2023).

Thus the need for Accessibility. can ensure that students from diverse backgrounds have easy and equitable access to learning materials, especially in areas that may have limited access to traditional education. Factors such as road facilities, information sources, and communication media that are still low can affect the accessibility of communication infrastructure in remote areas.

A comprehensive curriculum is also a necessity in the development of Islamic religious education based on online platforms. Various aspects of Islam are included in the creation of the curriculum, including teachings, history, culture, and religious practices that are contextually in the daily lives of students. In the development of

Islamic religious education based on online platforms, an inclusive curriculum transformation approach and relevant may be required. A comprehensive curriculum should incorporate a wide range of religious perspectives and understandings, as well as ensure relevance to students' needs. This can help increase the awareness and involvement of the younger generation in understanding and internalizing religious principles in their lives. (Dalimunthe, 2023). A comprehensive curriculum plays an important role in improving the quality of learning

Online Because it gives teachers the opportunity to organize learning according to student characteristics, improves learning presentation and introduces teachers to various tools and technological applications relevant to online learning. (Al Mustaqim, 2023) (Suhandi & Robi'ah, 2022)

Facilitate social interaction between students and teachers, as well as between students and teachers, to support cooperation and discussions that enhance religious understanding. A humanistic approach can be used to facilitate social interaction between students and their educators as well as between students with each other to support cooperation and discussion that enhances religious understanding. This method emphasizes students' personal development, mutually beneficial relationships between teachers and students, and meaningful and relevant

learning. However, there are some drawbacks in use Online learning, such as the lack of social interaction between students and teachers, which can affect students' desire to learn. (Murtado et al., 2023) (Lestari & Kurnia, 2023).

The need for an engaging learning experience is necessary as a transition from monotonous and classical learning conditions. Making learning more engaging and easy to understand, especially for younger generations who are familiar with technology, by using multimedia technology and engaging user experiences. In educational technology learning, the use of visual media such as YouTube Channels can make lessons more interesting and easy to understand for students. Audio visual can also provide more motivation to students to learn. (Puspita Tutiasri et al., 2020) (Rino Vanchapo et al., 2023) By providing a variety of interactive tools and applications, such as simulations, interactive videos, educational games, and collaborative platforms, multimedia technology can help students be more engaged in the classroom (Said et al., 2023)

The need for personalized learning allows students to tailor their learning experience to their individual interests, learning styles, and ability levels. Personalized learning allows students to tailor their education to their individual interests, learning styles, and ability levels. AI can analyze student data such as academic achievement, specific levels of

understanding, learning styles, and subject preferences to provide more relevant and effective learning recommendations tailored to their individual characteristics (Mambu et al., 2023) (Liriwati, 2023)

The need for adequate Supervision and Support for students to stay connected and motivated throughout the learning process can help improve the quality of learning and reduce barriers. (Murtado et al., 2023) Student learning outcomes are also influenced by things like student motivation, teacher quality, and cooperation between students, teachers, and related parties. To maximize the use of online learning media, adequate support and facilities are needed. Although a variety of online learning resources are available, a lack of direct interaction between teachers and students, technical issues, and lack of supervision can have an impact on learning success Online.

To maximize student learning outcomes, it is very important to supervise the use of online learning media and balance it with the right learning strategies. (MASKUR, 2023).

Challenges in developing an online platform for Islamic education

Validity and credibility is one of the challenges in developing an online platform in education. Given the sensitivity and complexity material religion, ensure that information presented in accurate and credible learning content. In online education, credibility and validity are very

important because they Shape trust and quality learning. Credibility data be Trust level and authenticity, while Validity data is size that show validity or Validity an instrument research. Discussion of the validity or validity of data is necessary in both qualitative and quantitative scientific research. (Susanto et al., 2023) (Syahran, 2020)

Address engagement and motivation issues, especially for students who may feel less engaged when learning online compared to face-to-face learning. The role of teachers as motivators is very important to overcome the problem of student engagement and motivation when learning online. Teachers can provide advice, motivation, and interaction that can increase students' enthusiasm for learning. (Maemunawati & Alif, 2020)

Internet quality is an important challenge for online-based education. In some areas often can not reach a good internet network. A student's ability to study online may be affected by unstable or limited internet access limitations in some areas. Teachers and students may also face technical issues such as Lack of digital devices and unstable internet signals, especially in suburban areas of the district. This can hinder student engagement and subtract quality of learning. (Kurniasari & Rahaju, 2022)

The limited physical interaction on online learning platforms in Islamic religious education also affects the quality of learning. E-learning cannot physically separate students and

teachers, reducing in-person interaction, which can disrupt the learning process and build relationships between individuals. (Pusvyta Sari, 2015). Overcoming the limitations of physical interaction between students and teachers, which can affect the formation of relationships between individuals and support deeper discussion and understanding.

Parental control and supervision are challenging in online learning. Currently, there are many cases caused by parental negligence in supervising children in the use of gadgets. The role of teachers and parents working together is very important in online learning. To get the best education for their children, teachers and parents must respect each other and work together. Through good communication and guidance embodied in attention and motivation, a partnership between teachers and parents is formed. Controlling children's association on the internet requires supervision parents and teacher guidance. (Sun'iyah, 2020)

Maintenance of security and privacy for online media users is a shared responsibility. Safeguard students' personal data and the privacy of their use of online learning platforms, including preventing inappropriate or inappropriate content. Everyone should take responsibility for protecting online media users from security and privacy threats. (Meutia et al., 2017).

Developers of online Islamic education platforms can create more responsive and efficient solutions to

support quality and inclusive learning by understanding these needs and difficulties

Development and Improvement Strategy in developing a responsive online platform for Islamic education

To overcome the needs and challenges faced in developing responsive online platforms in Islamic education, several strategies are needed that might be able to untangle the tangled threads in this problem.

Updates to content and learning materials. To ensure that Islamic learning materials and content remain relevant and of high quality, continuous development must be carried out. Additionally, incorporating AI into learning platforms can help users learn better. To ensure that the information presented remains current and relevant to the latest developments in Islamic studies, content and learning materials must be updated regularly. It is very important to update content and learning materials regularly to ensure that the information presented remains relevant and current. This can be achieved by following developments in technology and science and adapting learning materials to students' needs and interests. (Fitria & Indra, 2020).

Integration of the latest technology can be an effective step in improving the quality of online learning. Companies can provide a more interactive and interesting learning experience for users by utilizing the

latest features. An important step to improve the quality of education with a focus on developing aspects of human life is the use of new technology in Islamic education in Indonesia. A shift is needed towards the Society 5.0 era which focuses on humans and technology. In the era of globalization, education is greatly influenced by information and communication technology (ICT). (Hartati et al., 2022). To improve the learning experience and platform responsiveness, continue to carry out research and experiments using the latest technology by industry developments such as AI, Virtual Reality, and Augmented Reality.

One way new technology in Islamic education can be used is to personalize learning. This allows students to learn according to their needs and interests, making the learning process more efficient. Using new technology in Islamic education can enable personalization of learning. Examples include the use of technology in learning and the use of Artificial Intelligence (AI) to adapt learning to student needs. However, the adoption of AI in Islamic education management may present challenges to change and adoption. (Musyafak & Subhi, 2023)(Mambu et al., 2023).

Apart from that, it is very important to pay attention to developing involvement and community in the use of technology in Islamic education. By involving teachers, parents and the community, the application of technology in learning can run more

smoothly. Community support and participation can also increase the effectiveness of personalized learning through the use of technology.

The development of involvement and community in the use of technology in Islamic education can be achieved through online learning platforms that provide various Islamic education courses and materials, as well as through mobile applications, social media, websites and websites that enable active involvement in the da'wah community and the dissemination of da'wah messages to a wider audience. (Alfi et al., 2023) (Rani, 2023). Help build an active user community on the platform, where students can interact with each other, share information, and support each other throughout the learning process. Offer regular extracurricular activities or discussion forums that engage students outside of class, such as book clubs, discussion classes, or webinars.

Support and development of instructional skills for Islamic teachers and students is an important component of this process. E-learning, or distance education, allows teachers and students to be physically separated, with teaching materials delivered via the internet and electronic media such as web sites, chats, presentations, online exams, and virtual discussion forums. Teachers must have basic competencies in instructional design, mastery of information technology, and mastery of learning materials to implement e-learning learning models. (Rohmah, 2016) (Alfian Erwinsyah et al., 2021). Ensure

that students and educators have access to reliable and responsive technical support, both through online support systems and through easily accessible guides and tutorials, and that educators and platform administrators receive ongoing training and support on the use of the latest technology, online teaching strategies effective, and handling complex situations.

Evaluation and feedback. Regularly examine platform usage through surveys, user data analysis, or field trials to discover areas of improvement and development opportunities. Engage in open discussions with the user community to create a responsive and inclusive environment and quickly and effectively respond to user feedback. To improve the quality of Islamic education, evaluation and evaluation of the use of online platforms can be carried out through collaboration and interaction between students and teachers, as well as technological features that allow students to provide feedback. (M. I. Sholeh et al., 2023)

CONCLUSION

The development of an online platform that is responsive to student needs is essential to improve the quality of education and meet student needs. A responsive online platform can meet students' needs with a variety of features, such as interactive learning methods, easy access to learning

resources, and reliable technical support. The use of responsive online platforms can improve education and help students achieve learning goals. (Susanti, 2013)

The trend of developing responsive online platforms in Islamic religious education today can be observed that the use of Technology-Based Learning Platforms, such as LMS, allows easy access to course materials, as well as online student-teacher interaction and assessment. Adaptive Learning: Learning methods tailored to student needs and progress allow for a more flexible and effective learning experience. Multimedia and Interactive Content such as learning videos, animations, E-Book Speakers, and simulations. Collaborative Learning Platform through group projects, online forums, and online discussions. Examples of Google Docs, and Whatsapp. Game-Based Learning. Platforms with a multicultural approach are examples of online media that are sometimes used: Podcasts, and TikTok. Certification and training programs in Islamic Studies are available online, . Commonly used media : zoom, google meet etc.

The need to develop an online platform for Islamic education includes the need for accessibility. can ensure that students from various backgrounds have easy and equitable access to learning materials. The need for a comprehensive curriculum based on an online platform that can incorporate various aspects of the Islamic religion

including teachings, history, culture, and religious practices related to the daily lives of learners. The need for facilitation of social interaction between students and educators, as well as between students and disciples, to support cooperation and discussions that enhance religious understanding. The need for an engaging learning experience as a transition from the classical, monotonous learning environment.

The need for personalized learning allows students to tailor their learning experience to their individual interests, learning styles, and ability levels. Students need adequate support and supervision to stay connected and motivated throughout the learning process. This can improve the quality of learning and reduce barriers.

The challenge in developing learning using online platforms is also one that requires attention. There are several challenges: Validity and credibility, ensuring that the information presented in learning content is accurate and credible. The challenge in overcoming engagement and motivation issues, especially for students who may feel less engaged when learning online compared to in-person learning. Internet quality is an important challenge for online-based education. Overcoming the limitations of physical interaction between students and teachers, which can affect the formation of relationships between individuals and support deeper discussion and understanding. Parental

control and supervision are challenging in online learning. Maintaining security and privacy for online media users is a shared responsibility.

Several strategies for overcoming the needs and challenges of development in learning Islamic religious education through online platforms are: updating content and learning materials regularly. Integration of the latest technology will be an effective step in improving the quality of online learning. Personalization in learning allows

students to learn according to their needs and interests, so that the learning process becomes more efficient. Developing involvement and community in the use of technology. Support and development through instructional skills for teachers and students. Evaluation and feedback to find areas of improvement and development opportunities

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