Digital Al-Quran: A Medium to Assist Students in Practicing Religious Rituals

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Abstract: This research aims to explore the potential for using digital Al-Quran in enriching the religious practices of students at the Faculty of Technical and Vocational Education, Indonesian Education University (FPTK UPI). This research adopts a survey research design with a quantitative approach. Data was collected through a questionnaire given to FPTK UPI students, with a focus on the use of the Digital Al-Quran and its impact on their religious practices. Statistical analysis is used to analyze data to gain a deeper understanding. The research results show that the digital Koran positively influences religious practice by providing easy access to religious teachings, increasing understanding, and showing good levels of engagement, confirming its role as a potential tool in enriching students' religious experiences. Thus, the digital Al-Quran is recognized as having great potential to increase religious understanding and religious involvement in higher education environments in Indonesia, especially at FPTK UPI.
Keywords:
Digital Al-Qur'an; Religious Understanding; Rituals

Abstrak: *Penelitian ini bertujuan untuk mengeksplorasi potensi penggunaan Al-Qur'an digital dalam memperkaya praktik keagamaan mahasiswa di Fakultas Pendidikan Teknik dan Kejuruan Universitas Pendidikan Indonesia (FPTK UPI). Penelitian ini mengadopsi desain penelitian survei dengan pendekatan kuantitatif. Data dikumpulkan melalui kuesioner yang diberikan kepada mahasiswa FPTK UPI, dengan fokus pada penggunaan Al-Qur'an Digital dan dampaknya terhadap praktik keagamaan mereka. Analisis statistik digunakan untuk menganalisis data guna mendapatkan pemahaman yang lebih mendalam. Hasil penelitian menunjukkan bahwa Al-Qur'an digital secara positif memengaruhi praktik keagamaan dengan memberikan kemudahan akses terhadap ajaran agama, meningkatkan pemahaman, dan menunjukkan tingkat keterlibatan yang baik, mengkonfirmasi perannya sebagai alat yang berpotensi dalam memperkaya pengalaman keagamaan mahasiswa. Dengan demikian, Al-Qur'an digital diakui memiliki potensi besar untuk meningkatkan pemahaman agama dan keterlibatan keagamaan di lingkungan pendidikan tinggi di Indonesia, khususnya di FPTK UPI.*
Kata Kunci:
Al-Qur'an Digital; Pemahaman Agama; Ritual

INTRODUCTION

The Qur'an, as the holy book of Islam, holds an immeasurable role in guiding and inspiring the lives of humankind. It is regarded as a revelation given to Prophet Muhammad SAW, consisting of 114 surahs and 6,666 verses (Syaf, 2022). The Qur'an serves not only as a religious guide for worship, law, and social dealings but also promises complete answers to various contemporary issues. The Qur'an is not merely a text to be read; it must also be understood and practiced to truly provide its full benefits to Muslims (Olan et al., 2019).

The greatness of the Qur'an lies in its ability to bring peace to the human soul (Akbar, 2013). Regardless of understanding its meaning, reading this sacred text is considered an act of worship that brings rewards for Muslims. However, beyond mere recitation, a deep understanding and practice of the teachings contained within it are essential for guiding life towards divine approval and achieving happiness in both this world and the hereafter (Maharani et al., 2018).

As a source of law and guidance for Muslims, the Qur'an remains relevant as a guide for modern life due to its universal and timeless teachings. The Qur'an provides guidance on ethics, morality, and ways of living that are applicable in various contemporary contexts. For example, research shows that values such as justice, honesty, and social responsibility taught in the Qur'an are crucial in today's global society (Albayrak, 2020; Hasan, 2018). In all matters, the Qur'an continues to serve as a source of inspiration and guidance for the actions and behaviors of Muslims. This highlights the importance of not only reading but also understanding and applying its teachings in everyday life.

With the passage of time, the Qur'an has transformed into a digital format accessible through specialized applications. The phenomenon of the digital Qur'an reflects a shift in human perspectives, increasingly aligned with technological advancements. In the ever-evolving era of information and communication technology, the digital Qur'an is available in various formats—such as computer software, web applications, and mobile apps—many of which can be accessed for Free (R. Ali & Isnaini, 2024).

The digital Qur'an not only provides easier access but also offers a range of features that enrich the reading experience. These include verse and word searches, translations in multiple languages, asbabun nuzul (context of revelation), and commentary from different tafsir (exegeses) (Umar & Ulumuddin, 2020). The diversity of digital Qur'an formats provides alternative options for the public, and features like copy-paste functionality, font type, and size adjustments enhance its appeal among users.

For the millennial generation, the digital Qur'an is often the preferred, more practical choice. Millennials tend to favor solutions that are efficient and easily accessible. The digital Qur'an provides a solution for those less inclined to use a printed Qur'an, offering convenience for those who do not carry a physical copy regularly (Abdussalam et al., 2021).

However, alongside the rapid growth of digital Qur'an applications, concerns have emerged regarding the authenticity and accuracy of the verses and interpretations contained within them. The prevalence of hoaxes and misuse of Qur'anic verses highlights the need for stricter oversight and regulation of digital

Qur'an applications. Relevant institutions, such as the Institute for the Study and Development of Mosques, Prayer Rooms, and the Qur'an (LPMQ), play a crucial role in verifying (tashih) the Qur'an distributed in Indonesia (Puspitasari, 2022).

The research on the use of digital Qur'an applications in supporting religious practice among students has been limited, primarily focusing on general accessibility and functionality. However, specific studies targeting the unique impact and effectiveness of digital Qur'an usage in university settings, particularly among students in technical and vocational fields such as those at the Faculty of Technology and Vocational Education (FPTK) at Universitas Pendidikan Indonesia (UPI), remain unexplored. This research, therefore, fills a critical gap by investigating how digital Qur'an applications serve as an accessible, practical medium to enhance religious engagement and practice within this student demographic.

This study is unique in its exploration of how digital Qur'an applications support the religious practices of students in technical and vocational disciplines, offering flexibility amidst demanding schedules and academic pressures. By examining student attitudes and behaviors, the research assesses perceptions of ease and accessibility in using digital Qur'an applications compared to traditional text, bringing to light any changes in religious practices and spirituality. Additionally, this study delves into the impact of digital media on religious engagement, investigating the ways in which technology aligns with modern digital trends to facilitate spiritual practices within the rhythm of students' everyday lives. By addressing these under-researched areas, this study provides valuable insights into the intersection of digital technology and religious practice in academic settings, expanding on the ways digital media can support spiritual needs within specialized student populations. Additionally, it may guide educational institutions in fostering religiously inclusive digital environments to accommodate diverse student practices and further encourages the development of faith-based technological solutions. This research aims to explore the potential for using digital Al-Quran in enriching the religious practices of students at the Faculty of Technical and Vocational Education, Indonesian Education University (FPTK UPI).

RESEARCH METHOD

This study adopts a survey research design with a quantitative approach to investigate the role of the Digital Qur'an as a medium in supporting religious practices among students of the Faculty of Technical and Vocational Education (FPTK) at the Universitas Pendidikan Indonesia (UPI). The research population consists of active FPTK UPI students who use the Digital Qur'an in their religious practices. A random sampling technique using simple random sampling was applied, and the sample size for this study was 120 students (Sugiyono, 2019).

The primary instrument used in this study is a questionnaire distributed via the Google Forms platform (gForm). The questionnaire is carefully designed to gather information related to respondents' profiles, duration of Digital Qur'an usage, frequency of use, motivations, Qur'anic understanding, impacts on worship, ease of verse search, and main reasons for usage (Arikunto, 2013). Prior

to distribution, the questionnaire was piloted with a sample of respondents to ensure the clarity and validity of the questions.

The data collection procedure begins by distributing the questionnaire to selected respondents via Google Forms. Each respondent is given a brief explanation regarding the research objectives and instructions for completing the questionnaire (Creswell, 2019). Data collection takes place within a specified time frame, as agreed with the respondents, ensuring that participation is voluntary and the information provided is kept confidential.

The collected data will be analyzed using descriptive statistical methods, including mean calculations, percentages, and graphs to visualize the results of the Research (Miles et al., 2014). Inferential analysis may be applied to identify correlations between variables, if necessary. Ethical principles of research, including privacy and confidentiality of respondent data, will be upheld throughout the study (Neuman, 2014). By using this method, this research is expected to make a meaningful contribution to understanding and documenting the impact of the Digital Qur'an on the religious practices of FPTK UPI students.

RESEARCH RESULTS AND DISCUSSION

This section presents the results and discussion from the survey on the use of Qur'an applications among students of the Faculty of Technical and Vocational Education (FPTK) at the Universitas Pendidikan Indonesia (UPI). The survey results cover respondent profiles, application usage duration, frequency of use, motivations, Qur'anic understanding, impacts on worship, ease of verse searching, and main reasons for usage. The discussion provides an in-depth analysis of these findings to offer a comprehensive understanding of the topic.
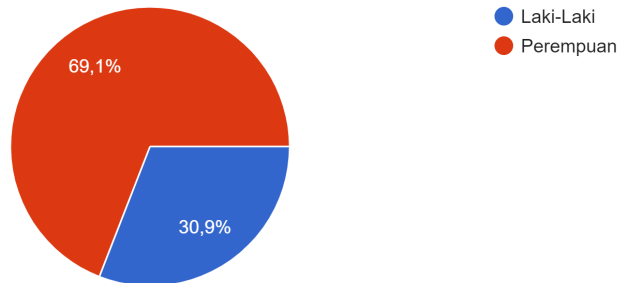
1. Ressponden Profile

    The participant profile for this survey reflects gender diversity among students of the Faculty of Technical and Vocational Education (FPTK) at Universitas Pendidikan Indonesia (UPI). Of the total 54 respondents, 69.1% were female students, while the remaining 30.9% were male students. This higher female participation rate highlights a significant interest and engagement among female students in using Qur'an applications as part of their religious practices.

    This phenomenon suggests that the Qur'an application holds a particular appeal for female students at FPTK UPI. Potential differences in preferences or needs between female and male students warrant special consideration in the development and enhancement of Qur'an app features. Recognizing that the majority of participants are female can guide developers in understanding and accommodating gender-specific needs more effectively by designing features that are responsive to diverse user demographics. Thus, the respondent profile not only reflects gender diversity among FPTK UPI students but also provides a foundation for tailoring Qur'an application development strategies to be more relevant

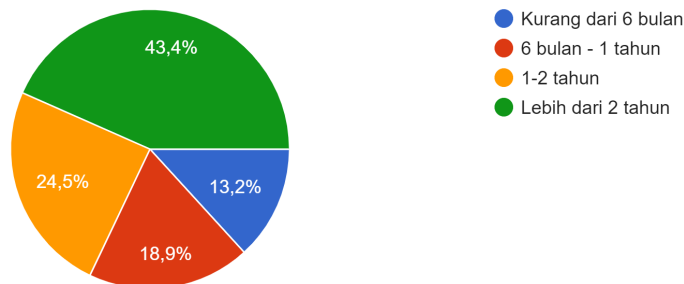and beneficial for the entire student religious community.

Jenis Kelamin
55 jawaban

2. Duration of Use of the Al-Qur'an Application

A detailed analysis of the duration of use of the Qur'an application by respondents revealed significant variations, reflecting varying levels of involvement among students of the Faculty of Technology and Vocational Education (FPTK) of the University of Education Indonesia (UPI). From a total of 54 respondents:

Berapa lama Anda telah menggunakan aplikasi Alquran?
53 jawaban

- Less than 6 Months:

Respondents with less than six months of usage may indicate recent adoption of this technology. Further analysis could examine whether they have prior experience with similar applications or if certain environmental changes have influenced this new adoption. This insight could help identify factors driving the recent interest and adoption patterns, such as shifts in study demands, peer influence, or increased digital literacy, allowing for a deeper understanding of what motivates newer users to integrate digital Qur'an applications into their religious practices.

- 6 Months - 1 Year:

Users who have been using the app for 6 months to 1 year may have gone through an adaptation phase and may have experienced a change in their perception of the app during this period.

- 1-2 Years:

Respondents with app usage between 1 to 2 years may reflect users who have built a habit of using the app. The analysis can explore whether there is an upward or downward trend in the frequency of use during this period.

- More than 2 Years:

    The majority of respondents who have used the application for more than two years offer valuable insights into the long-term impact of digital Qur'an applications on their religious practices. Further analysis could explore how this application has become an integral part of their religious routines, shedding light on the enduring appeal and influence of digital tools in sustaining religious engagement.

    A deeper understanding of these usage duration differences allows this study to provide insights into the factors that influence technology adoption within religious contexts. Analyzing user experiences and perceptions across each duration category can offer valuable information to enhance the development of digital Qur'an applications and to better comprehend the dynamics of technology use in religious practices among FPTK UPI students. This, in turn, could guide the refinement of application features, making them more responsive to the evolving needs and routines of diverse users.
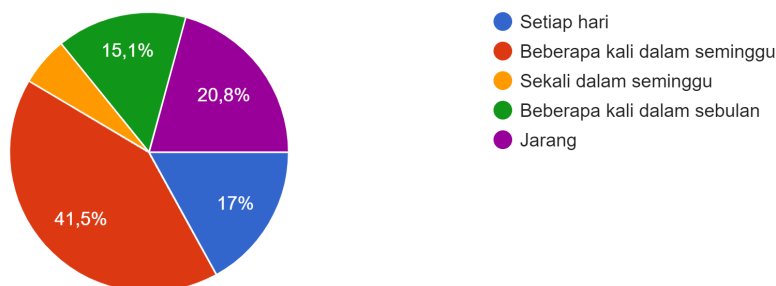
3. Frequency of Use of Al-Qur'an Applications in a Month

    The analysis of the frequency of use opens the door to understanding the pattern of students' habits in reading the Qur'an through the application. An in-depth understanding of the factors that affect this frequency can help app developers in crafting relevant motivational features or campaigns.

    From the analysis of the frequency of use of the Qur'an application by students of the Faculty of Technology and Vocational Education (FPTK) Universitas Pendidikan Indonesia (UPI), varied patterns of habits were revealed. From a total of 54 respondents:

Seberapa sering anda menggunakan aplikasi Al-Qur'an dalam sebulan?
53 jawaban

Legend:
- Setiap hari
- Beberapa kali dalam seminggu
- Sekali dalam seminggu
- Beberapa kali dalam sebulan
- Jarang

- Daily:

    Students who use the app on a daily basis may reflect a high level of involvement and seriousness in carrying out religious practices. Analytics can explore whether there are any additional needs or specific features that could improve their experience.

- Several Times a Week:

  The majority of respondents who use the app several times a week create the potential to understand the habit of reading the Qur'an regularly. Developers can explore how to maintain consistency in app usage and perhaps provide additional incentives.

- Once a Month and Several Times a Month:

  Respondents with monthly usage frequency showed variation in engagement rates. The analysis can explore the factors influencing sporadic use and devise strategies to increase their engagement.

- Infrequently:

  Students who use the application infrequently may face specific challenges or barriers in adopting this technology. Further analysis could provide insights into potential obstacles, offering guidance on how the application might be adjusted to better meet their needs.
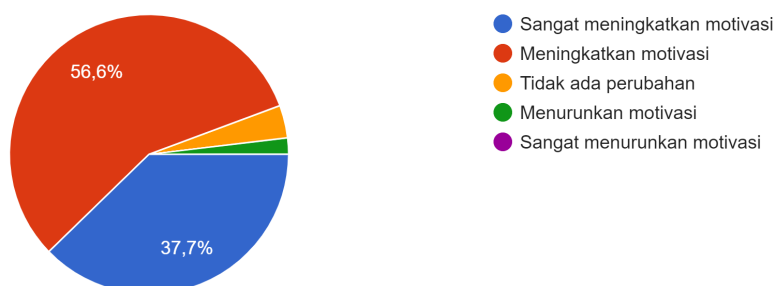
  By gaining a deeper understanding of the frequency of digital Qur'an application usage, developers can design more targeted strategies to enhance engagement and positively impact Qur'an reading habits through the app. Tailoring feature relevance to user habits could create a more personalized experience, supporting consistent religious practice among FPTK UPI students. This approach could foster a supportive digital environment that aligns with students' unique usage patterns and religious needs.

4. Motivation and Understanding of the Qur'an

   The increase in motivation and understanding of the Qur'an through the application highlights its positive impact in supporting students' religious practices. An in-depth understanding of how apps create motivational and learning effects can be the basis for the development of new features.

Apakah anda merasa aplikasi Al-Qur'an memotivasi anda untuk membaca dan memhami Al-Qur'an secara lebih teratur?

53 jawaban

- Significantly Increases Motivation:

  Respondents who experience a notable boost in motivation could be subjects for in-depth studies to identify specific elements in the application that deliver positive impacts. This analysis may reveal the features that are most effective in enhancing motivation.

- Decreases Motivation:

    Although the percentage is low, further investigation is needed to understand why some respondents report decreased motivation. This could be due to certain features or usage barriers that require improvement.

- No Change and Increases Motivation

    Analyzing respondents who report no change or an increase in motivation could help developers better understand the variation in user experiences and the factors affecting motivational impact.
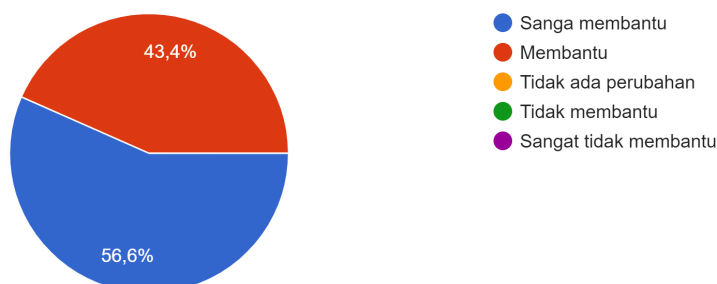
    A detailed analysis of the impact on motivation and Qur'anic understanding through the application can enable developers to create targeted strategies to amplify positive effects. This information could guide the development of new features or enhancements that create a more satisfying and beneficial experience, supporting students in their religious practices.

5. The Impact of the Application of the Qur'an in Worship and Religious Practice

    The digital Qur'an application has had a positive impact on religious practices by enhancing accessibility, understanding, and user engagement. The app allows users to access the Qur'an anytime, anywhere, and includes additional features such as tafsir (interpretations) and translations, which deepen users' understanding of the holy text (Abbas et al., 2019; M. Ali & Hussain, 2020). Supporting students in their worship and religious practices, further analysis could uncover specific features that significantly contribute to improving the quality of their religious lives. This insight can direct further feature development to provide a more valuable resource in daily religious engagement.

Bagaimana aplikasi Al-Qur'an membantu anda dalam menjalankan ibadah dan praktik keagamaan anda?

53 jawaban

- Help:

    Respondents who feel that the application is "helpful" indicate a positive contribution, even if it may not be substantial. An analysis can delve into specific elements that users find beneficial and how these aspects influence their religious experiences. Understanding which features or functionalities are perceived as supportive can provide valuable insights into the practical enhancements the app

offers. This information can guide further refinement to make the app more attuned to users' needs, thereby fostering a more meaningful religious engagement among users.
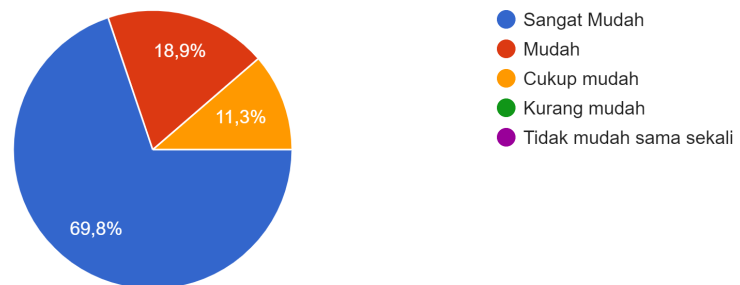
• Very helpful:

The majority of respondents who stated that the application is "very helpful" create opportunities to identify specific features or aspects that have a significant impact. Further analysis can reveal the reasons behind this "very helpful" rating and how the application has shaped their religious lives.

By gaining a deeper understanding of the positive impact of the digital Al-Qur'an application on worship and religious practices, developers can focus on enhancing or developing features that users find most valuable. This information can serve as a strategic guide to ensure the application continues to contribute meaningfully to the quality and consistency of worship and religious practices among FPTK UPI students.

6. Ease of Finding Qur'an Verses

The ease of searching for Qur'an verses through the application is an important factor in speeding up the search process and facilitating quick access to religious references. Further analysis can identify the search features that users value the most.

Sejauh mana aplikasi A-Qur'an memudahkan anda untuk mencari ayat-ayat Al-Qur'an yang anda butuhkan?

53 jawaban

Legend:
- Sangat Mudah
- Mudah
- Cukup mudah
- Kurang mudah
- Tidak mudah sama sekali

Pie chart values: 18,9% ; 11,3% ; 69,8%

• Very Easy:

The majority of respondents who found searching for Al-Qur'an verses "very easy" reflect high satisfaction with the application's search feature. Further analysis can delve into specific features that make the search process more efficient and satisfying.

• Easy:

For respondents who found it easy to search for Al-Qur'an verses, deeper analysis could reveal any differences in user experiences within this group and why they rated the ease of searching so highly.

• Fairly Easy:

Respondents who consider the search "fairly easy" might indicate certain elements that could be improved or enhanced. An analysis of this
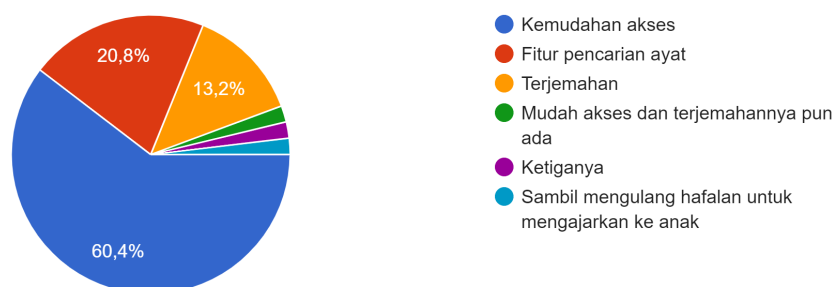
area could identify ways to increase their comfort and ease when using the search feature.

By gaining a deeper understanding of users' experiences in searching for Al-Qur'an verses, developers can pinpoint the features most valued by users and make relevant improvements. This information provides a foundation for optimizing the Al-Qur'an application's search functionality, creating a more efficient and satisfying experience for FPTK UPI students in exploring their sacred text.Alasan Utama Pengunaan Aplikasi Al-Qur'an.

Understanding the primary reasons for usage, such as ease of access, additional features, and motivation for reading, is essential to enhancing and expanding the reach of Al-Qur'an applications. To support this, developing a more interactive and informative application is critical. For instance, research highlights the importance of Al-Qur'an applications that not only present the text but also provide detailed interpretations and historical context to deepen users' understanding (Putra & Hidayaturrahman, 2020). Integrating artificial intelligence technology could further enrich the application, offering deeper analysis of Al-Qur'an verses, thus broadening its relevance and user engagement in digital religious comprehension. Developers can leverage these findings to design updates that are more responsive to users' needs, creating a tool that both supports and enriches their religious practices.

Apa alasan utama anda menggunakan aplikasi Al-Qur'an?
53 jawaban

- Ease of Access:

  Most respondents view ease of access as a primary factor in their use of the application. Further analysis could explore what users perceive as "easy access," such as user interface design, loading speed, or other elements that contribute to a smooth and convenient experience.

- Verse Search Feature:

  Respondents who prioritize the verse search feature may value efficiency and speed in locating specific verses. Additional analysis could help identify which aspects of the search feature could be improved or expanded to enhance user satisfaction.

- Al-Qur'an Translation:

For respondents who cite Al-Qur'an translation as a key reason for usage, analysis could delve into their satisfaction with the quality and completeness of translations provided by the application.

- Combination of Factors:

    Respondents selecting a combination of factors, such as ease of access, verse search, and translation, provide insights into how these elements interact and influence the overall user experience.

- Use for Children's Education:

    Those who use the application to support their children's memorization and learning activities reveal the app's potential as a tool for family religious education. Deeper analysis could explore specific needs and how the application can better support religious education within family settings.

    By understanding the primary motivations for use, developers can design updates and improvements that are more aligned with user needs and preferences. This information serves as a strategic foundation to ensure that the Al-Qur'an application remains an effective and valuable tool in supporting the religious practices of FPTK UPI students.

User engagement in an application can be increased if the application provides an interactive and easily accessible experience (Alalwan et al., 2020). In this case, the digital Qur'an not only provides holy texts, but also various supporting features such as interpretations, hadiths, and other religious content that can deepen students' understanding of religion (Lubis, 2020). These features provide a richer learning experience, which in turn increases students' engagement in their religious practices.

Thus, the digital Qur'an not only facilitates access to holy texts, but also plays a role in improving the quality of FPTK UPI students' worship practices. This study emphasizes that the integration of technology into spiritual life can enrich students' religious experiences and support them in maintaining consistency in worship, even though they are supported by high academic demands. Therefore, further development of digital Qur'an applications that are responsive to user needs and preferences is essential to support religious practices that are more inclusive and relevant to the times.

CONSLUSION

Based on this study, it can be concluded that the use of digital Qur'an applications is effective in supporting religious practices among FPTK UPI students. Students demonstrate a high level of comfort and practicality in using digital Qur'an applications, which enhances their engagement in religious activities.

The use of digital Qur'an contributes positively to understanding and memorizing Qur'anic verses. Furthermore, the interactivity of these applications supports a more engaging learning experience, particularly for a generation accustomed to technology. In the context of Islamic teaching and education development, this study provides a foundation for enriching religious teaching methods. Integrating technology, such as digital Qur'an applications, can serve

as an effective means to increase students' interest and participation in religious education. This approach is expected to strengthen religious values and support the quality of Islamic education within academic settings.

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