
Information Technology Innovation for Mosque Management with Digital Solutions

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Abstract

The community service team of faculty members and students from STMIK Mardira Indonesia has executed a project to manage activities and finances at Al-Muhajirin Cijerah Mosque. The team concentrated on creating a web application that incorporates essential elements, like a login page, dashboard, financial data, and a Friday prayer schedule. The primary objective of this project is to improve efficiency and transparency in the management of mosques, namely for the Mosque Management Committee. The approach entails advancing information technology and training mosque managers to optimize the application's use. The result of this project is the effective execution of the Mosque Activities and Financial Management Website Application. This tool enables mosque managers to manage daily operations and oversee financial matters more efficiently. This community service initiative has substantially enhanced the management of Al-Muhajirin Cijerah Mosque by implementing information technology. It is anticipated that these measures can be enhanced and persist in delivering sustainable advantages for the mosque and its community.

Keywords: *Website Applications, Management Of Activities And Finances, Training For Mosque Administrators, Benefits Of Applying Technology.*

Introduction

Mosques encounter intricate obstacles in the efficient and transparent management of activities and finances as places for religious and social engagement. Inadequate resources and technical expertise can impede effective management procedures (Sidharta & Wati, 2015). To tackle these issues, implementing contemporary technology, such as developing a Mosque Website, presents an appropriate answer (Musrifah & Risyan, 2023). By implementing information technology, mosques can improve operational efficiency, facilitate excellent activity and financial management transparency, and augment engagement with congregants and the local community. Utilizing an integrated internet platform, mosques can enhance the dissemination of information, improve community services, and strengthen relationships throughout the community (Juhana et al., 2024). Establishing a Mosque Website signifies a move towards efficiency and embodies digital transformation, enabling mosques to remain pertinent and responsive in the contemporary day (Rianto & Putri, 2021).

The website is expected to bring a sense of modernization to the community by facilitating the organized management of activities and finances at Al-Muhajirin Mosque in a more systematic and effective way. This web platform will clearly offer information on activity schedules, financial reports, and various mosque activities, making it easily accessible to the public. This is anticipated to enhance community involvement and participation in mosque activities, broaden their comprehension of current events, and encourage them to engage more proactively.

Facilitating convenient access to information via the mosque website aims to enhance community engagement in the religious and social events offered by Al Muhajirin Mosque. The transparency derived from the online dissemination of operational and financial data can enhance public confidence in mosque administration. This website functions as both an internal efficiency instrument for the mosque and a robust communication platform between administrators and attendees, fostering a more unified

community engaged in preserving and advancing the mosque's sustainability.

Research on the application of information technology in mosque administration consistently shows that this technology can significantly enhance transparency and efficiency in various aspects of mosque operations. The potential benefits are vast, as demonstrated by numerous studies (Rianto & Putri, 2021; Puriyanti & Mukhibad, 2020; Musrifah & Risyan, 2023; Wijaya & Utomo, 2023; Putra, Santoso & Kurniawan, 2021). However, there is a significant gap in the implementation of this technology across many mosques, particularly in rural or isolated metropolitan regions. This gap can be attributed to factors such as insufficient finances and a lack of understanding of the benefits of technology in mosque administration. But the potential is there, and with the right approach, these benefits can be realized.

Consequently, it is anticipated that community service programs would bridge this gap by offering technology-based solutions that are appropriate and readily adoptable by Al Muhajirin Mosque. By providing greater access to information technology, mosques can leverage technological advancements to optimize internal management, improve communication with congregants, and broaden their service outreach. Hermawan et al. (2023) elucidate the difficulties mosques encounter in administering activities in the digital era and the potential contributions of the millennial generation.

By addressing this technological disparity, Al Muhajirin Mosque is anticipated to exemplify for other mosques in urban and rural settings the utilization of technology to improve efficiency, transparency, and community involvement in religious and social endeavors.

The primary objective of this community service initiative is to develop a website for Al Muhajirin Mosque in the Cijerah region of Bandung City, West Java, which will serve as a tool for managing its operations and money. With this aim, the mosque and the adjacent community are anticipated to engage more actively and be publicly informed about all activities conducted by the mosque.

Method

A team of community service lecturers and students from STMIK Mardira Indonesia embarked on a community service project to assist Al Muhajirin Mosque in the Cijerah area of Bandung City, West Java. The challenges faced by the mosque in efficiently managing activities and finances with limited resources and technical knowledge have been the main focus for this team. Understanding the mosque's needs was an essential initial step. The community service team from STMIK Mardira Indonesia engaged in intensive communication with mosque administrators, investigated existing management processes, and listened to the hopes and goals of those involved. Subsequently, a well-thought-out plan was developed, outlining the necessary steps, allocating appropriate resources, and establishing an effective project implementation schedule. The website development process began. The team dedicatedly designed and developed a website tailored to the needs of Al Muhajirin Mosque. After going through the design, development, testing, and implementation stages, the website was ready to be launched. However, their work was not yet complete. The community service team from STMIK Mardira Indonesia provided training to mosque administrators, ensuring they had sufficient knowledge to manage the website effectively. Platform usage, content maintenance, and information management were the primary focus of this training. After launching the website, the team continued to monitor and evaluate its performance. They aimed to ensure the website functioned well, met the mosque's needs, and delivered the expected benefits. Community involvement around the mosque was also enhanced, with the hope that they would actively engage in managing this website. The community service team from STMIK Mardira Indonesia hopes this project will provide sustainable and beneficial solutions for Al Muhajirin Mosque and its entire community. Through strong collaboration and unwavering enthusiasm, they aspire to make a significant positive impact on the mosque and the surrounding community.

Results and Discussion

On July 10, 2024, faculty and students from STMIK Mardira Indonesia executed a community service initiative by the Tri Dharma of Higher Education. This initiative aimed to serve the broader community by developing a website for Al-Muhajirin Mosque to oversee its activities and finances, modeled after a website in the Cijerah neighborhood of Bandung City, West Java.

The team, with unwavering dedication, has developed a unique solution named "Mosque Activities and Financial Management Website" as part of this community service project. This project primarily centers on Al-Muhajirin Mosque situated at Jl. Raya Cijerah No. 190, Cijerah, Kec. Bandung Kulon, Bandung City, West Java 40213. Raya Cijerah No.190, Cijerah, Kec. Bandung Kulon, Bandung City, West Java 40213. The intended participants of this initiative are the Mosque Management Committee, which is integral to the mosque's administration.

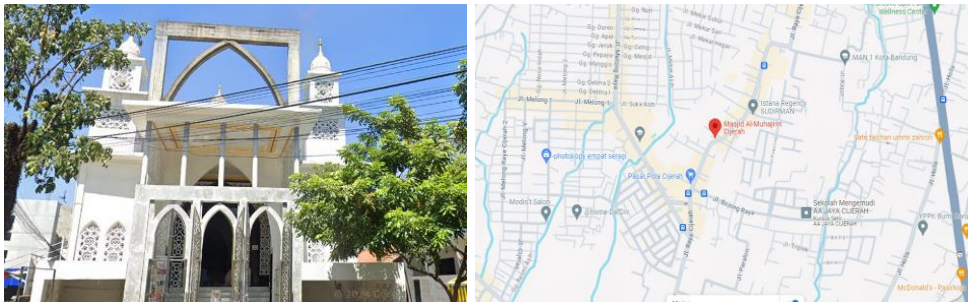


Figure 1. Location of Community Service Activities

By implementing this technology-based solution, the community service team seeks to improve efficiency and transparency in managing the mosque's activities and finances. The team aims to significantly enhance the management of Al-Muhajirin Mosque by aiding administrators in leveraging technology for reciprocal advantage through their product development.

The chairwoman and team members have resolved to establish Intellectual Property Rights (IPR) as part of their ongoing community service project to support Al-Muhajirin Mosque. This decision was made to protect the intellectual property generated throughout the mosque's website creation process. The application is the Mosque Activities and Financial Management Platform.

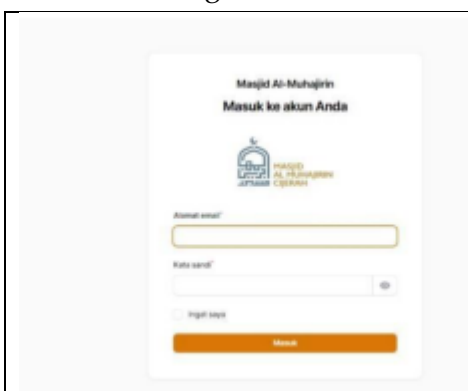


Figure 2. Login Display

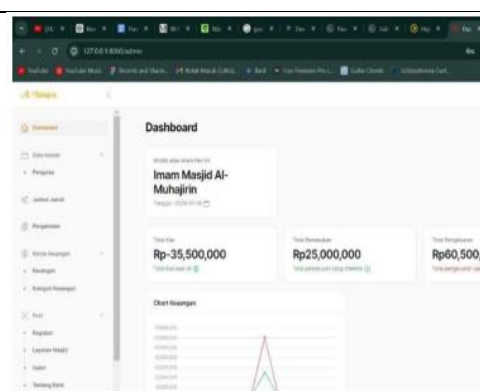


Figure 3. Dashboard display

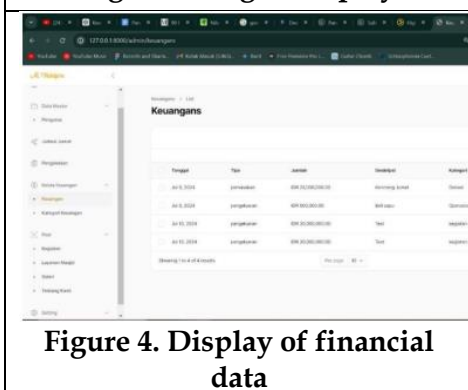


Figure 4. Display of financial data

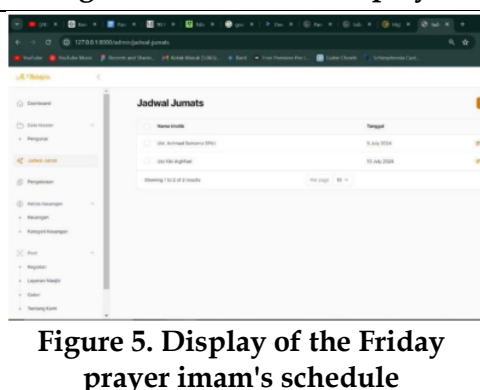


Figure 5. Display of the Friday prayer imam's schedule

The Mosque Activities and Financial Management Website Application, a key development in our project, has been created. Image 2 showcases the Login Interface, Image 3 presents the Dashboard, Image 4 unveils financial data, and Image 5 provides the timetable for Friday prayer imams. This meticulously designed application is set to empower the Mosque Management Committee to oversee the operations and finances of Al-Muhajirin Mosque in Cijerah. Its role in enhancing the efficiency and

transparency of mosque management is not just significant, but crucial, offering substantial benefits to both administrators and the congregation, instilling a sense of optimism and reassurance.

Intellectual Property Rights (IPR), originating from human ingenuity and innovation in developing products or processes advantageous to society, are vital. Within the scope of this project, intellectual property rights (IPR) include copyrights, patents, trademarks, and other rights pertinent to the development of the Al-Muhajirin Mosque website (Suci et al., 2023; Kosasih & Saripudin, 2023).

Safeguarding Intellectual Property Rights (IPR) is not just a choice, but a necessity to ensure that the efforts and innovations of the community service team are protected from exploitation. By obtaining intellectual property rights, the community service team may guarantee that their contributions and intellectual efforts are recognized and safeguarded, allowing them to govern the application and use of their work in compliance with relevant rules.

The decision to implement IPR also signifies the community service team's dedication to appreciating originality, innovation, and diligence in their endeavors. With intellectual property rights established, it is anticipated that this project's outcomes will yield enduring advantages for Al-Muhajirin Mosque and motivate forthcoming community service initiatives.

Conclusion

The community service team of lecturers and students from STMIK Mardira Indonesia conducted a project to support Al-Muhajirin Mosque in the Cijerah region of Bandung City. From assessing requirements to constructing the website and delivering training to mosque officials, each phase was executed with the utmost commitment.

Upon the successful completion of the project, the chairperson and members of the team convened to contemplate their experience. The determination to safeguard Intellectual Property Rights (IPR) pertaining to the generated intellectual work was not just a pivotal achievement, but a

testament to the team's respect for the creativity and innovation inherent in this mosque website.

In a contemplative environment, the community service team of lecturers and students from STMIK Mardira Indonesia determined that this project offered a valuable answer for Al-Muhajirin Mosque. To sustain the initiative, it is vital to empower mosque managers, increase cooperation, and persist in evaluations to enhance the services offered. There is a dedication to consistently assisting Al-Muhajirin Mosque in optimizing the use of this website. The community service team, including instructors and students from STMIK Mardira Indonesia, asserts that adherence to these recommendations will provide immediate advantages and establish a basis for extensive development and empowerment in the future. May every incremental action they undertake yield concrete beneficial transformations for the mosque and its community.

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