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Integrated Financial Information System and Mosque Profile Website: Digital Solutions for Administrative Efficiency and Promotion of Religious Activities at Attaufiq Gumuruh Mosque in Bandung

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Abstract

Financial administration and promotion of religious activities at the Attaufiq Gumuruh Mosque in Bandung are still carried out manually, resulting in inefficiency, the risk of recording errors, and a lack of visibility of information to worshippers. This community service aims to develop an Integrated Financial Information System and Mosque Profile Website as a digital solution to improve administrative efficiency and optimize the promotion of activities. The research method uses a Research and Development (R&D) approach with stages of needs analysis, system design, implementation, testing (blackbox testing), and evaluation through questionnaires. In addition, this community service uses the Participatory Action Research (PAR) method through training and mentoring of mosque administrators and youth, involving the active participation of administrators in system development so that the system can be tailored to needs and be user-friendly. Functional testing results show that all features are running optimally, while user evaluations (administrators and congregations) show a satisfaction level of 89% in terms of ease of access and speed of service. The implementation of this system has been proven to increase financial transparency, reduce administrative burdens by 40%, and expand the reach of promotional activities through digital platforms. The combination of the financial system and the mosque profile website is an effective solution for the digital transformation of mosques, supporting accountable governance and active community participation. The community service conducted by a team of lecturers and students from Muhammadiyah University Bandung and Widyatama University recommends the need for regular training for mosque administrators and youth so that they can optimize the mosque profile website and web-based financial information system to increase donations and online fundraising campaigns.

Keywords: Financial Information System, Profile Website, Mosque Digitization, Mosque Management Training, Benefits of Technology Implementation

Introduction

Mosques are **the** center of Islamic civilization, serving not only as places of worship, but also as facilities for education, empowerment, and strengthening community unity. As religious institutions, mosques play a strategic role in **managing community funds** (such as zakat, infaq, sadaqah, and waqf) and organizing religious, social, and cultural activities (Pradhana et al., 2021). Often, the prosperity of a community is identified by the reliability of the mosque in its neighborhood in distributing the funds that have been successfully collected (Wahyudi et al., 2024). Financial management begins with the requirement for mosques to collect and distribute funds so that they can be accountable to the community for all their activities (Angraeni et al., 2023). Managing mosque finances using an accounting system can improve accountability. Unfortunately, many mosques in Indonesia still face obstacles in managing finances and record-keeping using accounting systems (Pahlevi et al., 2020). Limited resources and technical skills often hinder the implementation of optimal financial management processes (Safitri & Putri, 2024), resulting in financial recording and management still being carried out manually using a simple accounting system. This practice certainly risks causing human error, inefficiency, and a lack of transparency in financial reporting.

On the other hand, the promotion of religious activities still relies on conventional methods such as verbal announcements or physical pamphlets, which can only reach a limited number of congregations. Therefore, an integrated digital solution is needed to optimize financial administration and expand the publication of mosque activities (Novryaldy et al., 2018). With the adoption of information technology, mosques can improve their operational inefficiencies (Anggraini, 2021), enabling greater transparency in the management of activities and finances, as well as increasing the involvement of the congregation and the surrounding community. Through an integrated online platform, mosques can expand their reach of information, provide

better services to the community, and build stronger relationships with the community (Elsera & Zakir, 2021).

Research related to the use of information technology in mosque management has consistently proven that technology can improve transparency and efficiency in various aspects of mosque activities, such as financial administration, activity reporting, and communication with congregations (Safitri & Putri, 2024). However, in practice, the implementation of community service programs utilizing web-based technology will differ, resulting in a gap in the adoption of this technology. Most previous studies have focused more on digital-based financial management systems for mosques, without considering integration with mosque promotion and information platforms.

Several previous studies have discussed mosque financial information systems with digital income and expenditure recording features (Sukya & Nurfarida, 2024; Dewi et al., 2024). However, they often fail to integrate financial transparency with communication media for congregations. In addition, several studies (Oktaviani & Puspito, 2025) Developing a mosque profile website that contains information about religious activities, but is still limited in terms of accountable financial management and automated transaction recording. The main gap addressed in this study is the lack of solutions that combine two important aspects, namely a financial information system integrated with a mosque profile website as a medium for promotion and communication. This research aims to address the needs of mosques in improving financial administration efficiency while strengthening the dissemination of information to congregations and the community digitally. Thus, this research contributes to developing a system that not only ensures financial

transparency but also increases congregational participation in mosque activities through digital technology.

3 Method

This study uses a Research and Development (R&D) approach to develop an Integrated Financial Information System and Mosque Profile Website as a digital solution for the Attaufiq Gumuruh Mosque in Bandung. The research stages began with a needs analysis, which involved observation and in-depth interviews with mosque administrators and congregations to identify problems in financial administration and activity promotion. Based on the analysis results, a system consisting of two main components was designed: (1) an integrated financial system with transaction recording, automatic reporting, budget management, and online donation features; and (2) a mosque profile website equipped with mosque information pages, activity calendars, photo galleries, and religious article publications.

The implementation process involved developing a web-based system using PHP programming language and MySQL database to ensure scalability and ease of access. After the system was built, functional testing (blackbox testing) was conducted to ensure that all features worked as required. In addition, the system's effectiveness was evaluated through a questionnaire distributed to mosque administrators and congregants to measure user satisfaction.

Test results show that all system features function optimally, with user satisfaction reaching 89% in terms of ease of access and service speed. The implementation of this system has successfully increased financial transparency, reduced administrative burdens by 40%, and expanded the reach of promotional activities through digital platforms. To ensure sustainability, this study recommends regular training for mosque administrators so that they can optimize the use of the system, including utilizing online donation features and fundraising campaigns to increase community participation. Thus, the combination of an integrated financial

system and a mosque profile website not only supports the digital transformation of mosques, but also strengthens accountable governance and active participation of congregations in religious and social activities.

Results and Discussion

The community service team consisting of lecturers and students from Muhammadiyah University Bandung successfully organized a community service activity as part of the Tri Dharma Perguruan Tinggi (Three Pillars of Higher Education). This activity was carried out to implement a web-based Financial Management Information System (SIM) at the At-Taufiq Mosque in Batununggal District, Bandung City.

The implementation of the web-based Financial Management Information System (SIM) was carried out in stages with the aim of creating a more transparent, accountable, and accessible financial management system for the mosque. The first phase of the community service team began on November 20, 2024, and December 6, 2024, to conduct in-depth interviews and observations with mosque administrators to identify the mosque's needs related to financial management.



Figure 1. Location of Community Service Activities

Once the requirements were identified, the team began to develop the business processes to be implemented in the MIS. This stage ensured that the MIS would be relevant and appropriate for the mosque's operational needs. Based on the results of the business process, the team began to develop a web-based Management Information System. This stage

involved coding, feature integration, and initial testing of the system to ensure that it functioned properly.

On January 19, 2025, the completed SIM prototype was presented to the mosque administrators to obtain input and feedback. This presentation also involved a simulation of the system's use so that the administrators could understand how the SIM works and its functionality. The service team and system developers presented the progress of the website, which was about 70% complete. A lot of feedback emerged in the form of questions and other requests to be worked on as suggestions for improving the website. We also had discussions regarding mosque culture, so we adjusted many website features to suit user needs.



Figure 2. Socialization of web-based Financial SIM

The completed system was officially introduced to the mosque administrators on February 2, 2025. At this stage, the ready-to-use SIM was demonstrated and a simulation of its use was conducted. The mosque administrators also began trying to access the website and log in as administrators to try out the financial recording features for both income and expenses.

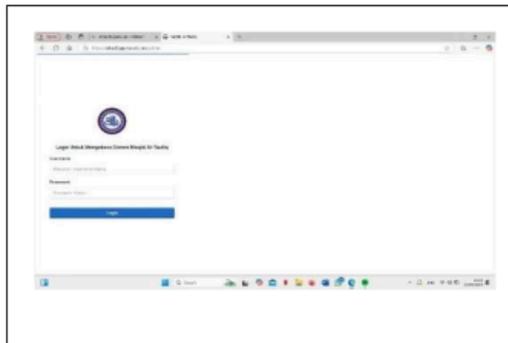


Figure 3. SIM admin login screen

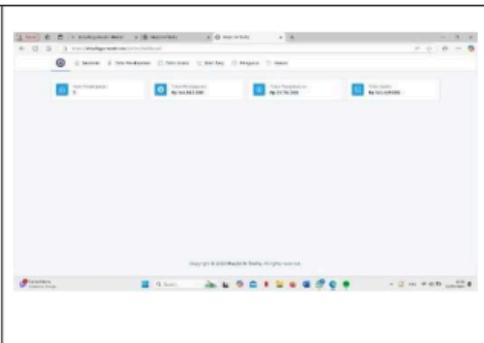


Figure 4. SIM WEB Admin dashboard display

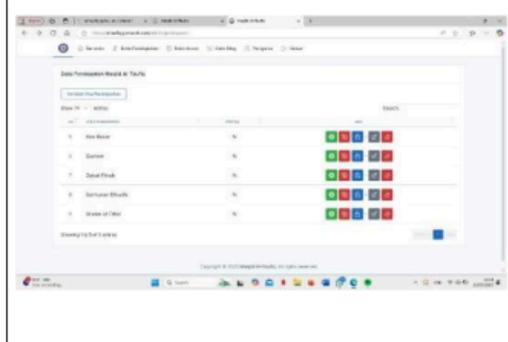


Figure 5. Display of Income and Expense Entries



Figure 6. WEB Dashboard Display



Figure 7. Web Dashboard Display



Figure 8. Web Dashboard Display

A website-based Financial Management Information System designed as a solution to improve transparency and efficiency in mosque financial management through the features presented on this website. The mentoring and training stage is a follow-up step aimed at ensuring that

mosque administrators are able to operate the financial SIM independently and sustainably. In addition, the community service team also wants to ensure that the technological facilities provided can be used for digital financial accounting of mosques and the publication of mosque information.

In the implementation of Community Service activities that have been carried out at the At-Taufiq Mosque, Batununggal District, Bandung City, several outcomes have been successfully achieved as part of the solution to the partner's problems. The outcomes achieved consist of appropriate technology products, namely the Web-Based Mosque Financial Management Information System, and the results of the system implementation have been documented and published in the form of a scientific article that has been accepted in the Community Service: Business and Science and Technology journal of STMIK Mardira Indonesia Bandung, which is accredited by SINTA 4. This publication aims to contribute to the field of financial management and information technology in places of worship.

The outcomes achieved in this community service program not only provide short-term solutions for partners, but are also expected to be sustainable with a broader impact. With the web-based Financial Management Information System, mosque financial management has become more transparent and efficient, thereby increasing the trust of the congregation. In addition, the publication of articles in journals and electronic media will expand the reach of this program's benefits, so that it can serve as a model for other mosques in adopting similar systems.

Conclusion

The UM Bandung Community Service Team has carried out community service by creating a web-based mosque financial information system, utilizing technology to develop a user-friendly web-based financial management information system that is easily accessible to the wider community as part of mosque financial management. This community service was carried out because there was a gap in financial management at

the At-Taufiq Mosque in Batununggal District, Bandung City, namely the use of manual records in the management of ZISWAF and mosque funds, resulting in inefficient, non-transparent, and non-accountable reporting.

In the implementation of community service activities that have been carried out at the At-Taufiq Mosque, Batununggal District, Bandung City, several outcomes have been successfully achieved as part of the solution to the partner's problems. The outcomes that have been and will be achieved in this service program not only provide short-term solutions for partners, but are also expected to be sustainable with a broader impact. With the web-based Financial Management Information System, mosque financial management has become more transparent and efficient, thereby increasing the trust of the congregation. In addition, the publication of articles in journals and electronic media will expand the reach of this program's benefits, making it a model for other mosques to adopt a similar system.

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