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# Socialization of Building the Qur'ani Generation through Science and Technology Innovation and Creative Media in the Digitalization Era at Rumah Qur'an Madani

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### ABSTRACT

Rumah Quran Madani is located on Jalan Tanjung Bubuk, Bukit Baru, Ilir Barat 1, Palembang, in a densely populated area with many children. Although it has great potential as a Tahfidz Qur'an House, currently it only has 9 students, due to the lack of information and supporting media as well as outdated technology. To overcome this problem, we built a digital platform in the form of a website that is designed with an attractive and easy-to-use appearance. This website will display the full profile Rumah Qur'an Madani and detailed information on its programs, as well as facilitating the online registration process. In addition, this website will help in administrative management, by storing data and files neatly and structured, reducing manual record-keeping, and minimizing the risk of data loss. The attendance process will also be more efficient with the QR Code scanning feature, which stores attendance data directly in an online database, ensuring accurate and easily accessible information.

**Keyword:** Rumah Qur'an Madani, Platform Digital, Website, QR Code



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## 1. Introduction

Rumah Quran Madani is located on Jalan Tanjung Bubuk, RT.003/RW.003, Bukit Baru, Ilir Barat 1 District, Palembang City, in an area that is quite dense with housing and many children. Although it has great potential to be the choice of Rumah Tahfidz Qur'an because of its location, currently it only has 9 students. This is due to the lack of disseminated information and supportive media. The technology used is also outdated and not by current developments. To overcome this problem, we plan to create a website that can help disseminate information, simplify administration, and increase the productivity of Rumah Qur'an Madani.

The Tahfidz Qur'an House is a facility for studying, practicing, and maintaining the memorization of the Qur'an, as well as practicing and improving its quality in daily life, taking into account the aspects of lodging and the local environment [1]. Several Qur'an hafizes in Indonesia. It is estimated that there are about 30,000 people or only about 0.01% of the Muslim population in Indonesia. Considering that 87% of Indonesia's total population is Muslim. This number is still minimal compared to the overall Muslim population in the country [2]. Only 0.01% of the Muslim population in Indonesia become hafiz of the Qur'an. As a country with the

largest Muslim population. The number this is very small and indicates the need for improvements in education and tahfidz training. In 2023, the Muslim population in Indonesia will reach 240.62 million people or 86.7% of the total population of 277.53 million people. This data affirmed that the majority of Indonesia's population is Muslim, underlining the important role of Islam in the social and cultural life of the country [3].

Rumah Qur'an Madani, under the Insan Madani Brotherhood Foundation, is the Rumah Tahfidz Al-Qur'an at the end of the city surrounded by housing. Even though it was in a crowded area, there were only 9 students due to the lack of information and public awareness about the importance of memorizing the Qur'an. The manual system in use today requires improvement, and technology adoption is needed to improve operational efficiency and effectiveness. Technology and science knowledge influence each other, creating a continuous cycle of innovation [4]. Today's technological advances have encouraged many changes in human life from the information age to the digital era in all fields [5]. Thus, computerized systems and technology are needed to introduce the Madani Qur'an House and educate the public about the importance of memorizing the Qur'an in the digital era.

To overcome the problem at Rumah Qur'an Madani, we propose to create a website that is designed with an attractive and easy appearance used by the general public. This website will display the full profile of Rumah Qur'an Madani and detailed information on its programs, as well as facilitate the online registration process. In addition, this website will Assist in administrative management, by storing data and files neatly and structured, reducing manual logging, and minimizing the risk of data loss. The attendance process will also be more efficient with the QR Code scanning feature, which stores attendance data directly in an online database, ensuring accurate and easily accessible information. This system will make the management of Rumah Qur'an Madani more effective and structured.

## 2. Method

The implementation stage of the Community Service Student Creativity Program with the title Knitting the Qur'ani Generation with Science and Technology Innovation and Creative Media "Rumah Qur'an Madani" in Building Connections with the Qur'an in the Digitalization Era will be carried out carefully and structured to achieve the targets that have been set, ensuring that each activity runs according to plan and have a positive impact on participants and the community.



**Figure 1.** Flow Diagram of Implementation Method

The stages of implementation consist of:

### 1. Team Coordination with Partners related to PKM-PM Activity Cooperation

On May 25, 2024, the PKM-PM team and partners from Rumah Qur'an Madani held a coordination meeting to discuss cooperation in community service programs. This meeting, which involved Ustadz Musta'in and the teaching staff of Rumah Qur'an Madani, aimed to agree on activity plans, implementation methods, and division of roles. Discussions include activity plans, implementation techniques, and evaluation strategies to ensure. The program runs smoothly and effectively and there is coordination between team members and friends. This collaboration is expected to strengthen synergy and maximize benefits for all parties. Evaluation strategies are also planned to assess program success. This meeting establishes a solid foundation for the achievement of the expected results.



**Figure 2.** Partner Site Visits

## 2. Socialization of Introduction to the Main Website and the RQM Admin Website

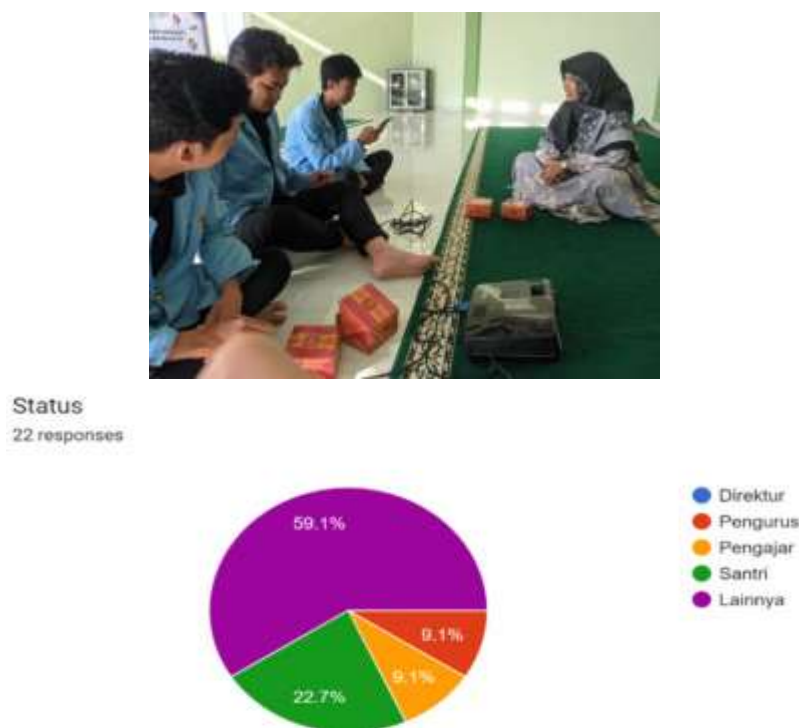
On June 30, 2024, the socialization stage of introducing the Main Website and the Rumah Qur'an Madani Admin Website (RQM) will be carried out to ensure that all potential users understand how both platforms work and the benefits. The event began with remarks from Mrs. Kurniati, S. Kom., M. Kom as the supervisor of PKM-PM Polsri and continued with remarks from Ustadz Musta'in, director of Rumah Qur'an Madani, who explained the cooperation between Polsri and RQM and the importance of digitalization in management and learning. Furthermore, a presentation was made about the main website which includes features such as the profile menu of Rumah Qur'an Madani, online registration information, in the form of creative media features to make it easier to memorize the Qur'an such as memorization menus and games, news, and several other supporting features. Then, the presentation continued with the Website Admin, which is designed to manage internal data such as attendance and academic records. The question and answer session will provide an opportunity for participants to ask questions and get clarification from the website development team. In addition, participants will take part in practical training in small groups to try first-hand the features of both websites. The event ended with a feedback session and closing by Ustaz Musta'in, who hoped that participants could make the most of the website to support activities at RQM. This socialization stage aims to ensuring the effective use of both platforms to improve the efficiency and effectiveness of management at Rumah Qur'an Madani.



**Figure 3.** Implementation of Socialization Activities

### 3. Monitoring and Evaluation

Monitoring and Evaluation (M&E) Stages for Creativity Programs Community Service Students (PKM-PM) with the title Knitting Generations Qur'ani with Science and Technology Innovation and Creative Media "Rumah Qur'an Madani" in Building Connections with the Qur'an in the Digitalization Era. Monitoring is carried out by collecting and analyzing routine data on the implementation of the program, including the use of technology and participant interaction. The evaluation is carried out in two stages, namely first, during the program for improvement if needed, and Second, after the program to assess the final results. The final report summarizes the findings and recommendations for improvement, followed by a follow-up to improve the program. The evaluation includes results, participant responses, and evaluations by implementers and partners, and aims to meet the expectations of the director, such as increasing the number of students and fulfilling quotas at the Student Tahfizh Islamic Boarding School. Technological innovation includes the application of website-based applications.



**Figure 4.** Evaluation of Socialization Activities

### 3. Result and Discussion

Implementation of Community Service Student Creativity Program (PKM-PM) with the title "Knitting the Qur'ani Generation with Science and Technology Innovation and Creative Media Rumah Qur'an Madani" in Palembang went well, according to the needs of partners and schedules. The program began with planning on May 1, 2024, including the creation of an Instagram account *pkmpm\_webrqm*, the development of website, socialization, and webinars. The first step is to design a logo for the Instagram account on May 5, 2024, followed by the introduction of team members and lecturer mentors from May 6 to 12, 2024 via Instagram, which also introduced Rumah Qur'an Madani as a partner. On May 21, 2024, the planning a meeting with the director of Rumah Qur'an Madani to discuss the work program and sign the cooperation on May 25, 2024. This meeting resulted in approval and support from partners. After the agreement, the team collects data for the website and then starts building it as planned.

On June 30, 2024, socialization will be carried out to introduce the Website Main and Website Admin of Rumah Qur'an Madani (RQM). The event began with remarks from Mrs. Kurniati and Ustadz Musta'in who explained the cooperation and the importance of digitalization. Presentations include website features such as profiles, online registration, and creative features for memorizing the Qur'an. Participants try games on the website and take part in practical training. The event ended with a question and answer session, feedback, and a closing session by Ustadz Musta'in. The purpose of the event was to ensure the effective use of both platforms to improve efficiency in RQM. Furthermore, the team conducted monitoring and evaluation by providing



feedback to 22 socialization and workshop participants, accompanied by PKM-PM Polsri team because the majority of participants are children. The evaluation uses the Likert scale method for data quantification. According to (Basyaib, 2006), on the Likert scale, decision-makers structure balanced questions, including positive and negative attitudes, to gather the opinions of related parties about a matter. Of the 22 participants, the calculation of the Likert scale. It is done by multiplying the number of respondents who chose each option by their scores, and then adding up the results. Next, score interpretation, pre-completion, and final completion are carried out. The data of respondents' answers before socialization are as follows:

**Table 1.** Average Index Before Socialization Activities

Question	Score	Index %
How well do you understand the use of digital technology before participating in this socialization?	64	58.2
How familiar are you with the Rumah Qur'an Madani website before this socialization?	40	36.4
How often did you use digital media for learning or administrative purposes before this socialization?	46	41.8
Average Index Before Socialization Activities		<b>45.5</b>

From the data, the Likert scale index before socialization was 45.5%, indicating a neutral category.

**Table 2.** Average Index After Socialization Activities

Question	Score	Index %
How well do you understand the use of the main website and the admin of Rumah Qur'an Madani after participating in this socialization?	95	86.4
What was your experience in using the main website and admin of Rumah Qur'an Madani after the socialization?	92	83.6
Did this socialization meet your expectations?	96	87.3
How often do you plan to use the Rumah Qur'an Madani website after this socialization?	89	80.9
Average Index Before Socialization Activities		<b>84.5</b>

After socialization, the Likert scale index increased to 84.5%, indicating the category of very liked. So that from the results of both, it can be concluded that there is a significant increase before and after the socialization activities of Rumah Qur'an Madani.

#### 4. Conclusion

Implementation of Community Service Student Creativity Program (PKM-PM) with the title Knitting the Qur'ani Generation with Science and Technology Innovation and Creative Media "Rumah Qur'an Madani" in Building Connections with the Qur'an in the Digitalization Era has given positive results in completing partner problems. This program successfully launched the main website and admin of Rumah Qur'an Madani, increasing visibility and facilitating access to information about programs, activities, and services. This website has the potential to attract more support. The program also introduces innovative methods of teaching the Qur'an with technology and creative media, making it more interesting and encouraging the interest of the younger generation to consistently memorize the Qur'an. This socialization activity can increase community involvement and build support for future programs as well as an effective means of promotion to be able to increase the number of applicants. With technology and creative media, it provides an interactive and engaging

learning platform. This provides an opportunity for Rumah Qur'an Madani to continue to develop and innovate in the teaching of the Qur'an.

## 5. Acknowledgements

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