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## **Developing Village Information Systems to Enhance the Quality of Public Services**

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### **ABSTRACT**

The inadequate comprehension of village apparatus concerning the establishment and exploitation of the Village Information System is attributed to insufficient human resource support and a deficiency in existing facilities and equipment. This situation affects village administrators' limited awareness of the significance of utilizing village websites as a means of information dissemination. The competence of village officials regarding website construction and management remains significantly limited, resulting in suboptimal information transmission through the platform, which hinders effective communication and engagement with the community. The team developed a website for the village and conducted training for village officials to enhance their proficiency in managing the Village Information System efficiently. This initiative enhances the accessibility and social engagement of community programs and information, allowing residents to easily access vital resources and participate in local events. The methodology employed entails the utilization of suitable technology via training and website administration, which includes specific tools and platforms that facilitate effective information dissemination and community engagement. This effort resulted in the development of the Village Information System website and a notable enhancement in the competencies of village officials in website management, which in turn improved the dissemination of information and increased community engagement.

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**Keywords: Information Systems, Information Dissemination, Website Administration**

## INTRODUCTION

In the expanding digital age, the presence of a website-based Village Information System is essential. Village governments must communicate information swiftly, precisely, and broadly accessibly, with the internet serving as an effective method to fulfill this requirement. The informational needs of rural populations have surpassed the capabilities of traditional media, such as television and radio, which are constrained in their reach and target accuracy. Consequently, the establishment of a website-based platform to facilitate and disseminate local information is essential for enhancing community services. Additional research corroborates that website-based platforms enhance communication between village governments and citizens, hence fostering sustainable development (Astuti, 2021).

The establishment of village websites has emerged as a key objective in fostering transparency, accountability, and advancement in rural development within the digital age. Village governments can utilize a website-based platform to disseminate detailed information regarding village potential, difficulties, and local advantages, hence facilitating a more efficient allocation of village budgets to enhance community welfare programs (Made & Kurniawan, 2021). Moreover, the village website provides public access to village profiles, encompassing details on tourism potential, premium products, and community activities that may not have been extensively disseminated previously. This platform enhances community engagement in the development process by facilitating more transparent and responsive communication.

Moreover, the village website functions as an efficient communication medium to enhance community engagement, particularly in leveraging local assets such as tourism. Through effective management, this website delivers pertinent information and fosters active community participation in village development initiatives by offering organized data and interactions (Aryani & Kusumaningrum, 2024). Creating and using websites for information dissemination in the village is becoming increasingly important.

Rural areas require expedited and simplified access to vital information, including governmental announcements, social initiatives, and event schedules. The website is anticipated to enhance open access and inclusivity. With the swift advancement of information

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technology and internet utilization, the Village Information System website facilitates online access to information for all residents, including those residing outside the village (Putri et al., 2023). Websites can enhance the transparency and accountability of village administrations by disseminating information pertaining to budgets, programs, and resource management. This feature is crucial for fostering community trust in the village administration.

Nevertheless, numerous people lack a comprehensive understanding of the significance of websites. The understanding of utilizing websites for information dissemination remains suboptimal, particularly in how they can effectively enhance communication between the village administration and residents. The Village Information System is a digital platform designed to address the information and communication requirements of the community, primarily aimed at enhancing the exchange of information among the village government, residents, and relevant stakeholders to support village development (Xia & Wang, 2023). The Village Information System disseminates diverse data, encompassing village governance details, development strategies, local news, activity timetables, and accessible public services. This community service activity is to conduct training on utilizing the Village Information System website in response to these issues. The primary aim of this training is to enhance community comprehension.

## **RESEARCH ELABORATIONS**

This community service activity employs two primary methods: socialization and training. We employ these two strategies to address the challenges faced by partners, particularly the inadequate understanding of how to utilize the Village Information System website. The training was conducted through the in-person training technique, wherein resource individuals directly instructed village officials on website utilization and management. This course encompasses the provision of theoretical content alongside practical activities for effective website management. Socialization and training sessions were conducted at the Village Hall.

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Tabel. 1 Stages of Activity Implementation

| No | Implementation stage      | Form of Activity                                                                                                                             |
|----|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Preparation               | Facilitate collaboration between the service crew and the village authorities                                                                |
| 2  | Presentation of Materials | The speaker elucidated the application of the Village Information System website                                                             |
| 3  | Application Showcase      | The local apparatus attempts to access and utilize the established website. The service team assisted local officials throughout the process |

## RESULTS AND DISCUSSIONS

The preparatory phase encompasses the creation of socialization materials and the construction and establishment of the Village Information System website, along with further technical arrangements. The supplied information encompasses an explanation of the significance of utilizing village websites, efficient management tactics, and the technical procedures for managing the Village Information System. Furthermore, the establishment of technological infrastructure is conducted to optimally facilitate the execution of tasks, ensuring that village officials can effectively access and utilize the website for disseminating information and engaging with the community. We informed village officials about the importance and advantages of village websites in the modern digital age. The explanation encompasses the benefits, constraints, and methodologies for enhancing the utilization of the website as a source of village information. Participants get practical experience regarding website usage, encompassing content management and the application of pertinent digital media.

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Village authorities engaged in training on the utilization and administration of the Village Information System website. The training encompasses technological demos and sequential instructions for managing website content, updating information, and using available capabilities. After the training session, participants had the chance to actively interact with the newly constructed village website. The service team offers support throughout this process to guarantee participants comprehend each phase and can independently operate the website in the future. Mentoring is conducted rigorously to address inquiries and offer resolutions to technical challenges encountered by participants, ensuring that they feel confident in using the website and can effectively apply the skills learned during the training session.

Village apparatus serves as a tool for participants to reap the benefits of socialization and learning activities. They are trained to optimize the utilization of the village website, which is expected to facilitate the introduction of the village's potential and support the more effective development of local resources using digital technology. The socialization and creation of this website aim to optimize the utilization of contemporary technology, with the expectation of facilitating widespread recognition of the village and supporting the development of its potential across all aspects, including economy, tourism, and culture.

The Village website has considerably facilitated access to information for both residents and non-residents. This website provides immediate access to data concerning activities, initiatives, rules, and village life. The site diminishes the obstacles to acquiring information that were previously addressed by conventional approaches, which frequently require more time. Residents may readily obtain the necessary information, hence accelerating the decision-making process and execution of village operations. The village website contributes to enhancing active community engagement. Digital platforms facilitate people's participation, engagement in conversations, and involvement in the decision-making process at the village level. This fosters transparency in village governance, enabling residents to participate more actively in the development and execution of village programs and initiatives, hence enhancing participation.

The village website serves to promote the village's potential, encompassing tourism attractions, handicrafts, and local premium items. This website enhances the village's image by showcasing its distinctiveness and benefits to the public. Furthermore, promotion via the website bolsters the local economy, facilitates the expansion of small enterprises, and markets

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village products to a broader audience. Enhancing Communication Quality This website has enhanced the quality of communication among the village government, pertinent institutions, and the community. A readily accessible digital platform diminishes prior communication hurdles, thereby enhancing coordination efficiency. This website facilitates open interactions among many stakeholders, expediting information transmission and addressing issues encountered by villages and their inhabitants, such as resource allocation, community feedback, and emergency response coordination. Assured Data and Content Protection In website management, safeguarding personal data and sensitive information is paramount. Content changes are conducted routinely to ensure the information remains relevant and accurate. The established security procedures guarantee that the information provided is secure and aligns with the user's requirements. This initiative sustains user trust in the platform and enhances the website's efficacy as a credible information source.

The establishment and administration of the Village Information System Website have positively influenced the accessibility of information, enhanced community engagement, and fostered the local potential of the village. This website has served as a crucial conduit for successful communication between the village government and its constituents. Nonetheless, numerous facets require enhancement to guarantee the longevity and efficacy of this website as an informational medium in the digital age. Enhancing features, augmenting human resource capacity, and sustaining pertinent material are essential to guarantee the website operates in alignment with its intended purpose, which includes improving user engagement, ensuring timely updates, and providing relevant resources for the community.

## CONCLUSIONS

The team's activities indicate that the establishment and maintenance of the Village Information System website as a digital information medium have created substantial prospects for village advancement. The platform enhances connectivity between village administrations and residents while also functioning as an efficient instrument to maximize local potential across several sectors. Nonetheless, the enduring success of this website necessitates ongoing

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dedication and the capacity to adjust to technical advancements and community requirements, including regular updates, user feedback integration, and training for both administrators and residents on how to effectively use the platform. Consequently, sustained efforts are essential to guarantee the website's endurance and efficacy as a dependable information conduit for the community.

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