Similarity_2_102_Sudrajat

by nam Hi

Design And Construction Of The Website For The Information And Service Center Of Cihaurbeuti State SLB

Jajat Sudrajat[1], Toni Kusnandar[2], Lilis Emalia[3], Dheni Apriantsani Budiman[4], Oktavia[5]

[1,2,3,4,5] *STMIK Mardira Indonesia, Bandung*
Email: *kaffakomunika@gmail.com[1], tonikusnandar@stmik-mi.ac.id[2], lilis.emalia@gmail.com[3], dhenibudiman@stmik-mi.ac.id[4], oktavia@stmik-mi.ac.id[5]*

Abstrak

This community service initiative aims to create and implement a website that serves as an information hub and service platform for SLB Negeri Cihaurbeuti Ciamis, catering to students with special needs. The school faces challenges such as limited access to information, delays in data transmission, and inaccuracies that hinder communication among students, teachers, and parents. This activity employs a qualitative methodology with a case study design, incorporating comprehensive interviews and participatory observation to collect insights from all stakeholders.

The findings of this activity reveal a critical necessity to revise the current information system and establish a more effective web-based platform. All stakeholders anticipate a cohesive, intuitive system that enhances communication and information dissemination. This program effectively demonstrated that digital technology can improve information accessibility and modernize communication practices in the educational setting. This community service initiative aims to lay the groundwork for subsequent advancements in information systems at SLB Negeri Cihaurbeuti and other educational institutions to enhance the quality of inclusive education.

Keyword: *Community Activities, Website, Information Systems, Access to Information, Inclusive Education*

Jajat Sudrajat[1], Toni Kusnandar[2], Lilis Emalia[3], Dheni Apriantsani Budiman[4], Oktavia[5]

Introduction

SLBN Cihaurbeuti Ciamis is an educational establishment dedicated to pupils with special needs, striving to deliver high-quality inclusive education. Nonetheless, the institution encounters difficulties in communication and information dissemination. The current manual communication procedure frequently leads to delays in information dissemination and data errors, hindering access to information for students, instructors, and parents. This poses a considerable challenge that must be addressed, particularly in the current digital age, which demands rapid, precise access to information.

A web-based platform specifically created for SLBN Cihaurbeuti is proposed to address this issue. This project seeks to optimize communication, facilitate collaboration among stakeholders, and ensure real-time access to information. The website's adoption is anticipated to enhance communication efficiency among students, teachers, and the school, thereby diminishing the probability of data transmission errors.

Prior studies have emphasized the advantages of employing web-based information systems in education. A study by Purwaningsih (2022) highlights that digital transformation via the Educational Management Information System (SIMDIK) is essential for improving efficiency and quality in Madrasah Ibtidaiyah (MI) education. Furthermore, research by Tahsinia et al. (2024) indicates that, in the digital age, information systems have evolved from mere support tools to essential foundations for developing high-quality, competitive educational services. A study by Bili et al. (2025) underscores the benefits of interactive dashboard systems in teaching. The principal aim of this community service initiative is to create and implement a website that facilitates rapid, precise information access, accelerates information dissemination, and ensures centralized, accurate data, thereby enhancing educational outcomes at SLBN Cihaurbeuti Ciamis.

Metode

This community service project employs a qualitative approach utilizing a case study framework. This methodology facilitates a comprehensive examination of participants' experiences and viewpoints concerning the creation of a web-based information system at SLBN Cihaurbeuti. The population for this activity comprises students, educators, and administrative personnel at SLBN Cihaurbeuti. Data collection is performed via comprehensive interviews and participatory observations. Semi-structured interviews are selected to provide comprehensive insights into experiences and requirements associated with information access. Furthermore, observations are conducted to evaluate interactions among all stakeholders and the current information system. All instruments are meticulously crafted to yield data relevant to the objectives of the community service initiative.

After data collection, analysis is conducted using thematic analysis techniques. This procedure entails transcribing interview outcomes, coding data, and discerning prominent emergent themes. This community service activity involves an iterative examination, with a strong focus on critical reflection to ensure the validity and trustworthiness of the outcomes.

This exercise employs a voice recorder for interviews, a notepad for observations and significant results, and a computer for transcription and analysis. This community service activity is conducted at SLBN Cihaurbeuti for one month, from early November to late December 2023. This community service initiative seeks to enhance understanding of communication requirements at SLBN Cihaurbeuti and to provide valuable recommendations for advancing a more effective information system in the future.

Jajat Sudrajat[1], Toni Kusnandar[2], Lilis Emalia[3], Dheni Apriantsani Budiman[4], Oktavia[5]

Result and Discussion

This community service initiative aims to create a web-based information system at SLBN Cihaurbeuti to enhance communication and information dissemination within the school. The findings reveal that students, educators, and administrative personnel face challenges obtaining crucial information about school activities. This underscores existing communication issues and underscores the pressing need for a system that facilitates more effective information retrieval.

This exercise employs comprehensive interviews and participatory observations to obtain direct insights from students, teachers, and parents. Semi-structured interviews enable participants to articulate their experiences, whilst participatory observations are used to understand the context of information use within the school. The gathered data indicate constraints in time, resources, and antiquated communication systems, which are the primary obstacles to information access at SLBN Cihaurbeuti.

The results indicate a critical necessity to revise the school's communication system. The school seeks a more cohesive and intuitive platform that helps mitigate challenges in accessing information. These findings corroborate prior studies demonstrating that the utilization of digital technology in education can improve information accessibility (Said, 2023). This community service project also highlights issues related to staff and other user training, which must be resolved for effective implementation.

This community service project revealed that the communication requirements at SLBN Cihaurbeuti exemplify broader issues within Indonesia's education system. The implementation of a web-based information system pertains not only to technology but also to the transformation of the communication culture within educational institutions, as per communication theory and information management. Consequently, the outcomes of this activity not only address the primary inquiries but also offer novel insights for advancing communication systems in special education.

{67

This community service project suggests revising current communication theory by emphasizing the importance of contextual analysis when deploying new technologies in educational institutions. The active involvement of users and stakeholders in developing the information system is essential to its deployment. This paves the way for other community service initiatives to evaluate the efficacy of information systems in mitigating communication issues at other educational institutions, thereby substantiating the claim that an appropriate strategy can enhance the overall quality of education.

Figure 1. Website Dashboard
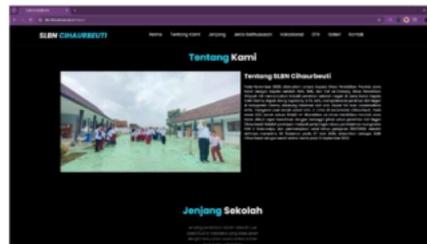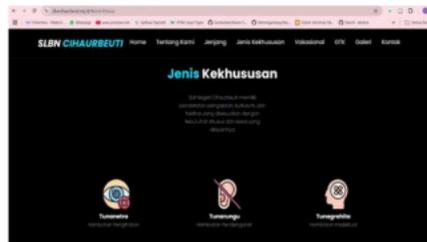

Figure 2. About Us
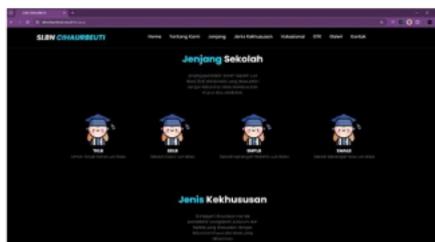
Figure 3. School levels

Figure 4. Types of Specialization

Gambar 5. Vokasional

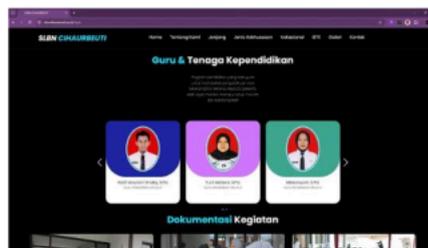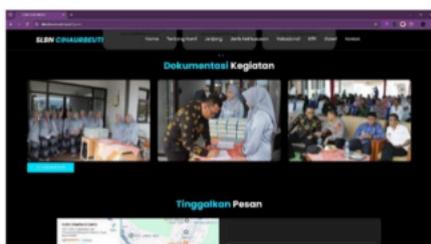**Figure 6. Teachers and Education Personnel**

Figure 7. Activity Documentation
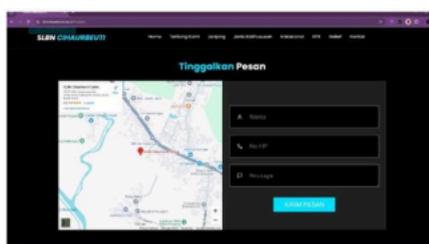

Figure 8. Contact

Figure 9. Visit and Group Discussion

{69

Conclusion

This community service program effectively identified and examined the communication obstacles encountered by SLBN Cihaurbeuti Ciamis in disseminating information. In-depth interviews and participatory observations revealed that constraints in information access substantially affect the efficacy of communication among students, instructors, and parents. All parties articulated an immediate need for a more efficient, user-friendly web-based information system.

The findings of this community service initiative demonstrate that implementing digital technology is essential to resolving accessibility challenges and updating the communication culture in the educational setting. Creating a web-based information system can effectively improve engagement among diverse stakeholders inside the institution. The success of implementation depends significantly on the active participation of all stakeholders and on sufficient user training.

This practice significantly enhances the comprehension of communication requirements in educational settings for children with special needs. The results not only answer the fundamental questions of this endeavor but also create opportunities for advancing more relevant and practical communication theories. This community service initiative is anticipated to lay the groundwork for subsequent advancements in information system development at SLBN Cihaurbeuti and other educational institutions.

References

Anas, A. S., Hammad, R., Irfan, P., Amrullah, A. Z., Zulfikri, M., Primajati, G., Ulfa, R., & Lestari, A. (2022). *Pembuatan Website Sekolah Sebagai Media Informasi dan Promosi.* 2(1), 22–26. https://doi.org/10.35746/bakwan.v0i0

Bihi, A. K., Daniati, E., & Ristyawan, A. (2024). *Gudang Jurnal Multidisiplin Ilmu Pengembangan Sistem Informasi Sekolah Berbasis Web.* 2, 931–940.

Bili, O., Momo, L. L., Stella, U., & Sumba, M. (2025). *Pengembangan Sistem Informasi*

70}

Siswa Berbasis Web Dengan Dashboard Interaktif Untuk Monitoring Data Akademik Di Sdk Weelonda Development Of A Web-Based Student Information System With An Interactive Dashboard For Monitoring Academic Data At SDK WEELONDA. 1(1), 32–41.

Bovee, C. L., & Thill, J. V. (2019). *Business Communication Today. Pearson Education*.

Gaden, K., Trucuk, K., & Klaten, K. (2023). *Perancangan Sistem Informasi Sekolah Dasar Negeri 1 Gaden Berbasis Website*. 4(2), 1072–1079.

John Doe. (2018). *Improving Communication Efficiency in Educational Institutions through Web-Based Information Systems*. University of Technology.

Laudon, K. C., & Laudon, J. P. (2020). *Management Information Systems: Managing the Digital Firm*. Pearson Education.

Lee, J., Park, S., & Kim, H. (2019). *"Real-Time Notification Systems in Educational Platforms: Enhancing User Engagement and Efficiency"*. Journal of Educational Technology, 14(3), 112-125.

Nielsen Norman Group. (2020). *"The Impact of User Experience Design on Accessibility and User Satisfaction"*. Usability Report 2020.

Nugroho, A., Surojudin, N., Maulana, D., & Romli, I. (2025). *Cahaya Pengabdian Pengembangan Website Sekolah sebagai Media Promosi dan Informasi Berbasis Digital*. 2(1), 115–118.

Purwaningsih, Y. (2022). *Implementasi Sistem Informasi Manajemen Pendidikan (Simdik) Dalam Meningkatkan Mutu Pendidikan di Madrasah Ibtidaiyah Muhammadiyah Paremono*. 2(2), 68–76.

Pressman, R. S. (2021). *Software Engineering: A Practitioner's Approach*. McGraw-Hill.

Rina Suryani. (2021). *Implementasi Sistem Informasi untuk Meningkatkan Manajemen Sekolah*. Tesis, Universitas Gadjah Mada.

Said, S. (2023). 194 | Program Studi Pendidikan Ekonomi STKIP Bima. *Artikel, Info Teknologi, Peran Pembelajaran, Media*, 6(2), 194–202.

Smith, J., Brown, P., & Taylor, A. (2020). *"Data Security Practices in Educational*

{71

Institutions". Journal of Information Security, 29(2), 45-60.

Tahsinia, J., Rismawati, R., Ibrahim, T., & Arifudin, O. (2024). *Peran sistem informasi dalam meningkatkan mutu layanan pendidikan.* 5(7), 1099–1122.

Similarity_2_102_Sudrajat