

Website Programming Information for Al-Ikhlas Aceh Islamic Boarding School

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Abstract: *With the advancement of information technology, digitalization has become a critical necessity in the education sector. Websites for schools and Islamic boarding schools play a vital role in improving access to information for students, parents, and the community while enhancing communication and interaction efficiency. This study aims to develop and analyze the benefits of implementing an informational website for Al-Ikhlas Aceh Islamic Boarding School. A descriptive qualitative method involving observation and interviews with school stakeholders was applied. The findings indicate that the developed website offers several benefits, including improved access to academic information, better promotion of the school's profile, enhanced communication, and support for students' digital literacy. Therefore, the website is a strategic tool supporting modern and transparent educational management within the Islamic boarding school system.*

Introduction

The rapid advancement of information technology has significantly transformed various aspects of life, including the education sector. Digitalization has become an urgent necessity in modern educational institutions to improve efficiency, accessibility, and communication. In Indonesia, schools and Islamic boarding schools (pesantren) are increasingly expected to adopt digital tools to enhance educational services, particularly ensuring timely and accurate information delivery to students, parents, and the wider community (Sadikin & Hamidah, 2020).

One of the most impactful forms of educational digitalization is using institutional websites. These websites are centralized platforms for academic information, announcements, online registration, and extracurricular activity documentation. Moreover, they enable two-way communication between institutions and stakeholders as promotional media to showcase student achievements, available facilities, and unique school programs (Putri et al., 2021; Nugroho & Wulandari, 2022). In the context of Islamic boarding schools, Yusuf and Fitria (2021) emphasize that integrating digital services is a key factor in supporting transformation toward more accessible, transparent, and modern educational practices.

However, in reality, many schools and pesantren have not yet maximized the potential of their websites. Most still lack user-friendly design, responsive layouts, updated content, and strategic communication features. Websites are often created solely to fulfill administrative requirements without considering their full potential as institutional assets. This lack of optimization results in poor engagement and limited benefits for users. This highlights the need for practical guidance and provides examples of well-developed educational websites, especially in the pesantren environment.

Recent studies highlight the shift toward interactive and user-centered website designs in education (Sutrisno, 2019; Purnamasari & Setyawan, 2020). While various evaluations have been conducted in general schools, research focusing specifically on Islamic boarding school websites is still limited. This study, therefore, aims to develop and analyze the implementation of an informational website for Dayah Al-Ikhlas Aceh. The objective is to evaluate its impact on improving access to academic information, promoting the school's profile, facilitating communication, and enhancing digital literacy among students and stakeholders.

Method

This study employed a descriptive qualitative approach to explore developing and implementing an informational website in an Islamic boarding school context. Data were gathered through direct observations of the website usage and features and semi-structured interviews with key stakeholders, including school administrators, teachers, and students. The data were analyzed using a case study method, allowing an in-depth understanding of how the website improves communication efficiency, information dissemination, and institutional promotion.

Result and Discussion

The purpose of the developed Islamic boarding school website is to be a more effective means of communication, information, and promotion. A website makes access to various academic and non-academic information easier and faster. In addition, the website also provides opportunities for schools or Islamic boarding schools to expand the reach of publications and increase interaction with the broader community.

There are some of the main benefits of implementing this website. First, it facilitates students' and parents' access to information. The Islamic boarding school website makes it easier for students and parents to get information about academic activities, class schedules, announcements, and extracurricular activities (Hadi & Wibowo, 2022). Second, Introducing the Profile of the School or Islamic Boarding School More Widely Through the website, the public can more easily get to know the profile of the school or Islamic boarding school, its vision and mission, and the facilities available (Rahman & Fitri, 2020). This is consistent with the findings of Purnamasari and Setyawan (2020), who found that school websites significantly enhance communication effectiveness by offering structured and responsive communication features.

Third, to improve communication and interaction efficiency, the website provides a dedicated communication channel between schools or Islamic boarding schools and students, parents, and the broader public through direct contact or online forms (Sari et al., 2021). Fourth, a platform should be available to showcase school or Islamic boarding school achievements and activities. The website can display student accomplishments, institutional events, and student works as a form of appreciation and motivation for all educational stakeholders (Widodo, 2018).

Supporting the Development of Digital Literacy for Students With the website, students can learn more about technology and digital literacy, which are important skills in the modern era (Fauzan, 2021). Thus, the school or Islamic boarding school website is expected to provide helpful information, increase positive interactions, and support the ongoing education process for all education citizens.

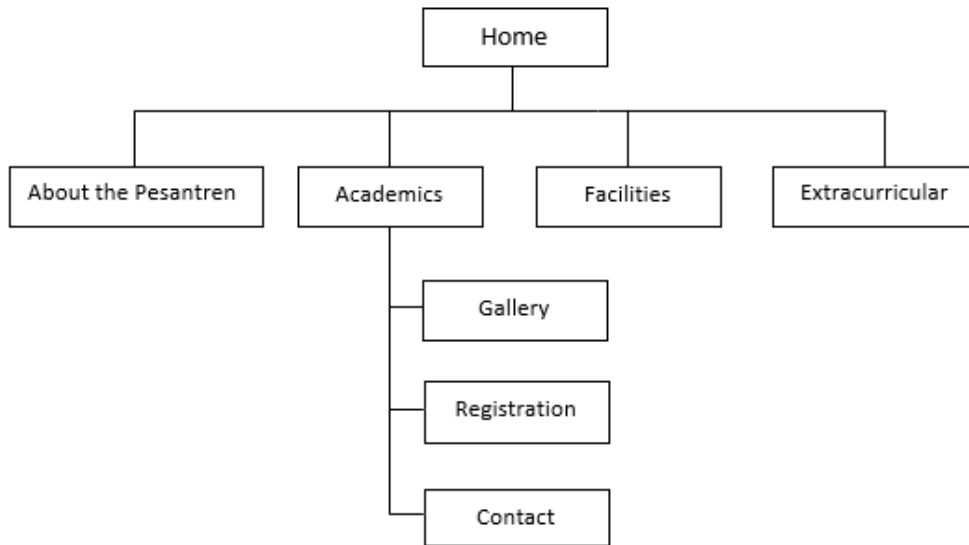


Figure 1. Website Page Hierarchy Structure

Explanation of Web Page Hierarchy Structure

1. Home. Home is the web's main display or page containing important information or the latest announcements.
2. About School/Islamic Boarding School. Contains the history of the school/Islamic Boarding School and the vision and mission of the school/Islamic Boarding School.
3. Academic. Contains the Curriculum and Academic Calendar.
4. Facilities. The facilities page contains information on classrooms, libraries, laboratories, and sports facilities.
5. Extracurricular: Scouts, Silat, Calligraphy, Tilawah.
6. Gallery. The gallery page contains documentation of school/Islamic Boarding School activities.
7. Registration. The registration page contains information about new student registration, entry requirements, and online registration forms.
8. Contact. The contact page provides contact information that website visitors can contact.

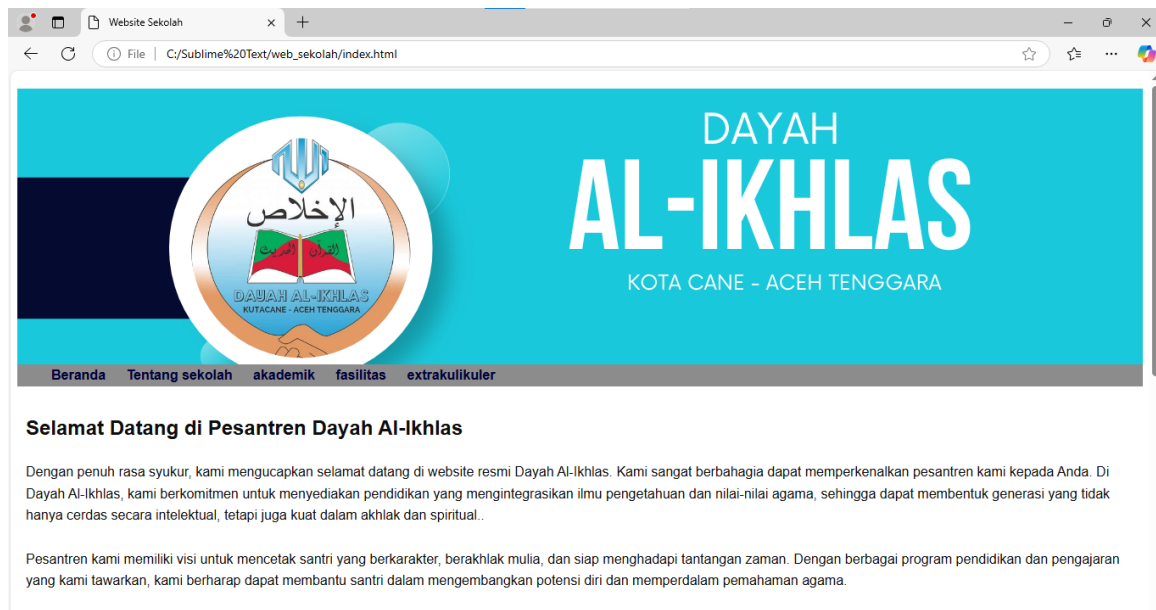


Figure 2. Homepage Interface of Dayah Al-Ikhlas Website

The homepage of the Dayah Al-Ikhlas website presents a clean and modern design with a prominent school identity banner and navigation menu. It acts as the primary interface where visitors can access key sections such as "Beranda," "Tentang Sekolah," "Akademik," "Fasilitas," and "Ekstrakurikuler." The welcome message highlights the school's vision to develop intellectually and spiritually strong students, aligning religious values with academic excellence.

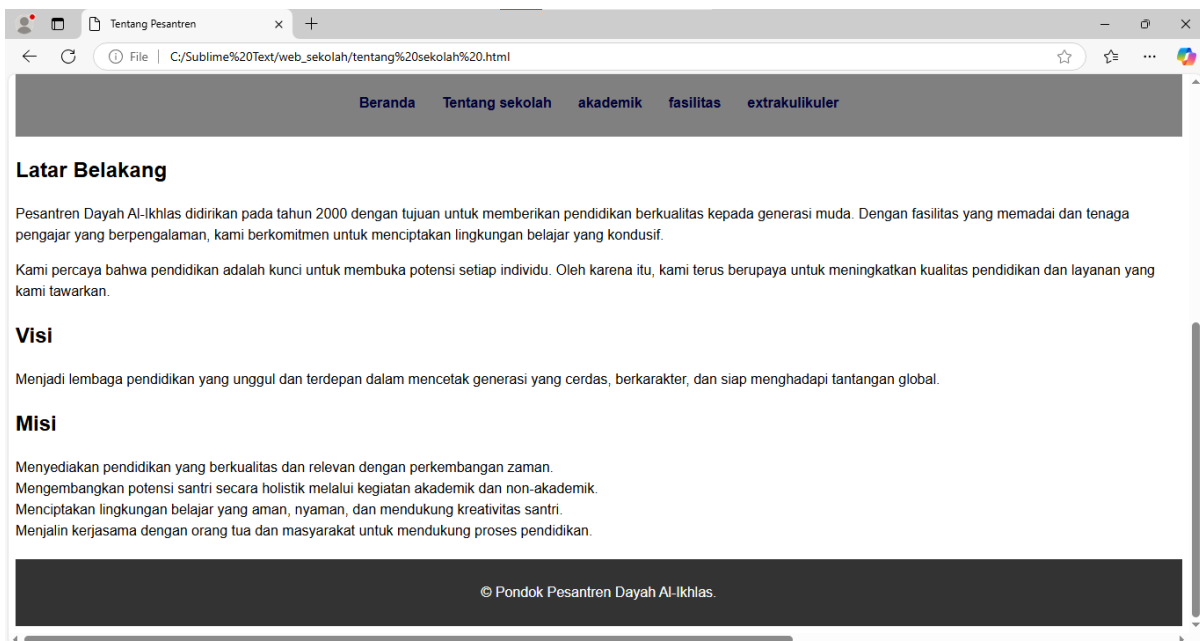


Figure 3. About Page of Dayah Al-Ikhlas Website

The "About" page of the Dayah Al-Ikhlas website presents core institutional information, including the Islamic boarding school's background, vision, and mission. It outlines the school's founding purpose, commitment to quality education, and emphasis on character development and global readiness. The page reflects the institution's

identity and long-term goals in nurturing a holistic and values-based learning environment.

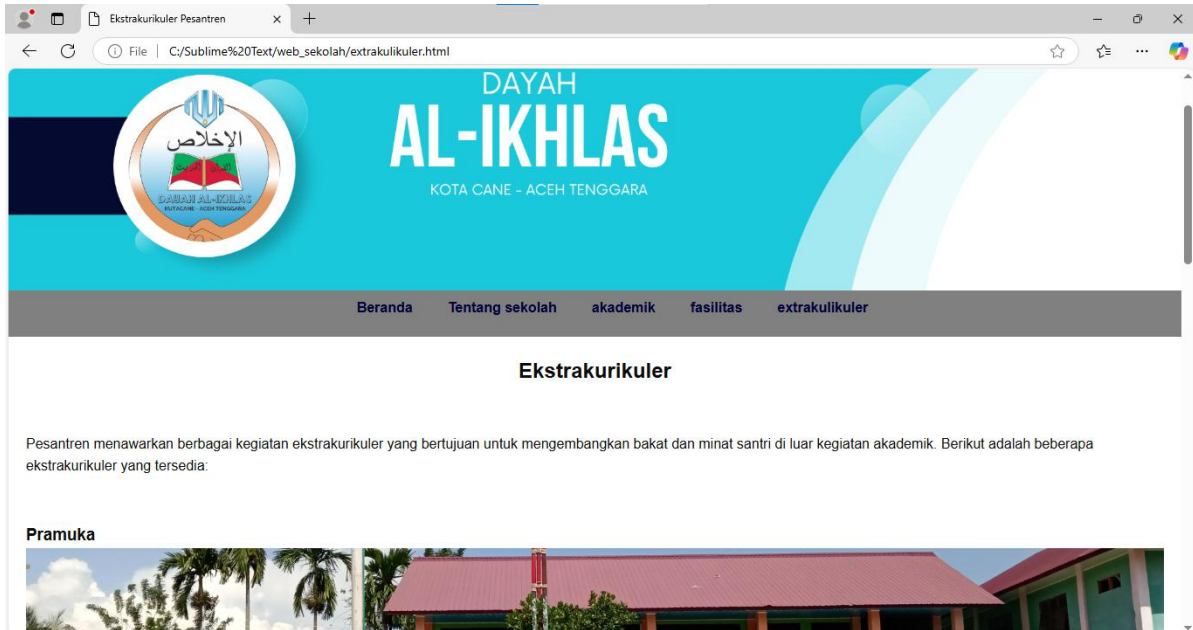


Figure 4. Extracurricular Page of Dayah Al-Ikhlâs Website

The Extracurricular page of the Dayah Al-Ikhlâs website showcases various non-academic activities designed to develop students' talents, interests, and character beyond the classroom. The page introduces available programs such as Scouting (Pramuka), which plays a significant role in fostering leadership, teamwork, and discipline among students. This section highlights the institution's commitment to holistic education by offering platforms that support both intellectual and personal growth through structured and meaningful extracurricular engagement.

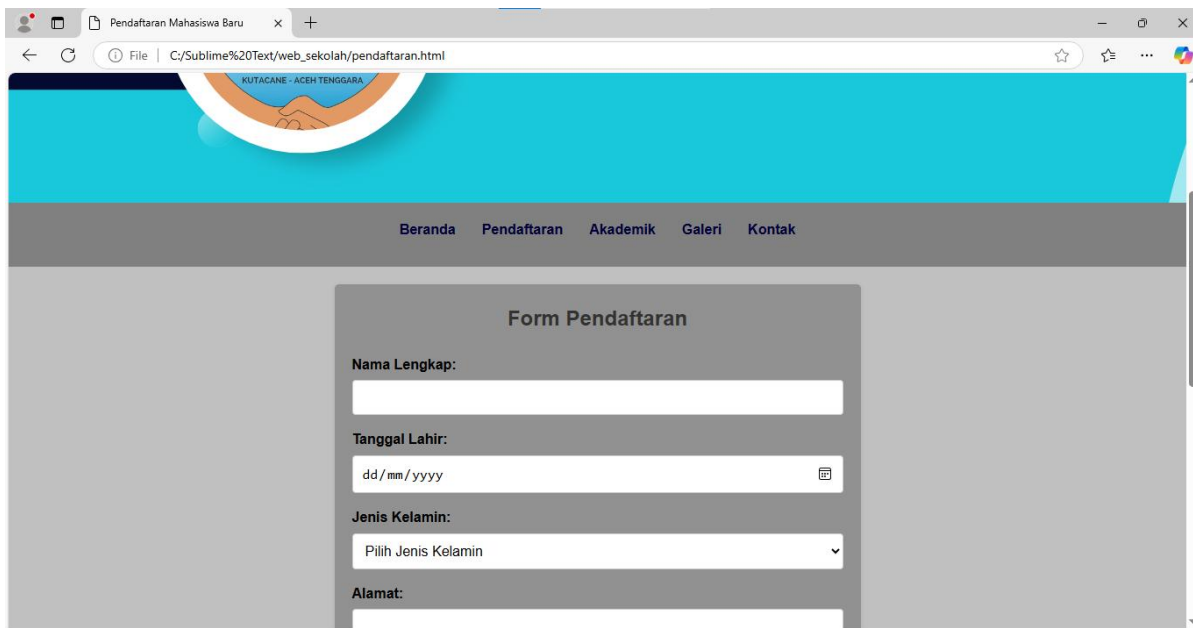


Figure 5. Online Registration Page of Dayah Al-Ikhlâs Website

The Registration page of the Dayah Al-Ikhlâs website provides an intuitive and

structured online form to support prospective students' admission process. The form includes essential input fields such as full name, date of birth, gender, address, and other relevant personal information. This digital approach streamlines the registration workflow, making it easier for applicants and their families to submit data efficiently without needing manual or in-person submissions, thus promoting accessibility and administrative efficiency.

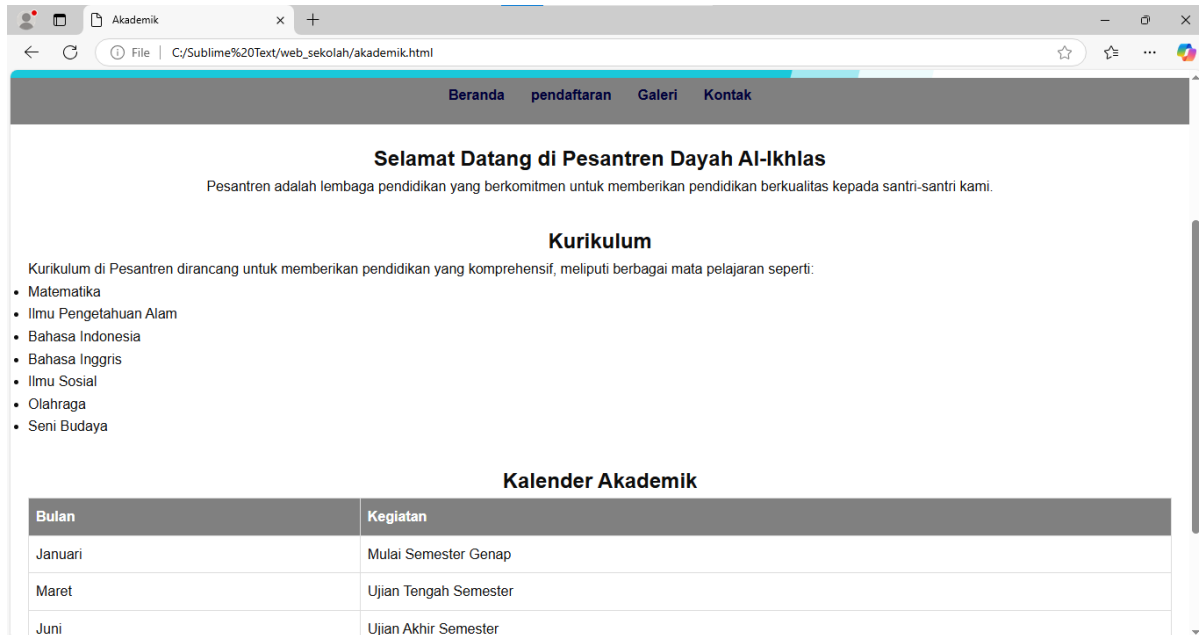


Figure 6. Figure 6. Academic Page of Dayah Al-Ikhlas Website

The Academic page of the Dayah Al-Ikhlas website outlines the institution's curriculum and academic calendar. It provides a comprehensive list of subjects taught, including Mathematics, Natural Sciences, Social Sciences, Languages, Arts, and Physical Education. The academic calendar section also displays key academic milestones such as semester start dates, mid-term exams, and final exams. This page is crucial for students and parents to stay informed about the educational structure and important academic timelines within the school year.

Conclusion

The creation of this school website has succeeded in providing an effective digital platform to facilitate access to information for students, parents, teachers, and the community. The developed website can display the school profile, academic information, student achievements, and various activities held at the school. In addition, this website also increases communication efficiency so that interaction between the school and users is easier and more transparent. The school website also functions as a means of promotion that introduces the school's advantages to the broader community while supporting digital literacy for students by providing direct access to information technology. With this website, the school is expected to continue to develop along with technological advances and strengthen its image as a modern, responsive, and open educational institution to the development of the times. This website is expected to continue to be managed and improved so that it remains relevant and able to meet the needs of all users in the future.

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