

Web-Based Company Profile Information System Design for SD Negeri 2 Bugis

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The development of information and digital technology today has a significant impact on information dissemination and institutional image building, including in the field of education. SD Negeri 2 Bugis, as one of the public elementary schools, does not yet have a digital platform that can be used to introduce the school's profile widely and professionally. To address this issue, this study aims to design a web-based company profile website that facilitates the dissemination of information related to the school's profile, vision and mission, facilities, learning activities, and achievements of students and teachers. The website is designed with main features such as a school profile page, photo gallery, academic information, and an easily accessible contact page. The results show that the website successfully presents the school's identity in a professional and interactive manner. With this website, SD Negeri 2 Bugis is expected to enhance its institutional image, improve information accessibility for the community, and reach prospective students more widely in the current digital era.

Keywords: Website, Company Profile, SD Negeri 2 Bugis, School Information, Educational Digitalization.

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1. Introduction

The development of information technology in recent years has transformed the way educational institutions disseminate information. Websites serve not only as information media but also as branding tools that strengthen institutional identity (Fahmi & Windasari, 2022). During the pandemic, this need has become even more crucial due to limited in-person interaction (Anggita & Junaris, 2025), while the public now demands fast, easy, and transparent access to information. This situation emphasizes the importance of a professional digital platform for schools like Bugis 2 Public Elementary School.

Currently, Bugis 2 Public Elementary School does not have an official digital platform, so information is still delivered manually through printed documents or verbally. This results in limited information reach and suboptimal communication of the school's achievements and vision and mission (Saputra et al., 2025). As a result, the school's image is less widely recognized. Various studies have shown that developing a company profile website can improve an institution's image and the effectiveness of information delivery (Saputra et al., 2025), as well as expand the reach of information and enhance the user experience (Valentino et al., 2025).

Besides serving as a promotional medium, websites also play a role in increasing transparency and public engagement. Surojudin et al. (2024) stated that an inclusive and interactive system can increase information accessibility, facilitate communication, and encourage community participation without requiring in-person school visits. Features such as galleries, contact information, and activity information strengthen relationships with stakeholders. From a development perspective, Sari & Kholil (2025) emphasized that the use of the waterfall method, with its stages of needs analysis, design, implementation, and black-box testing, results in a system that is user-friendly, responsive, and tailored to user needs.

Furthermore, Giftson & Krishnakumari (2024) emphasized the importance of simple, responsive design and the involvement of various parties, such as teachers, staff, parents, and the community, in the development process to ensure content is more relevant and credible. This multi-stakeholder involvement also increases trust and loyalty to the institution.

Based on this description, SD Negeri 2 Bugis faces challenges such as limited digital media, information reach, and institutional image in the digital era. Therefore, this study aims to design a functional, interactive, and user-oriented company profile website as a strategic solution to improve image, expand access to information, and support transparency and ease of access for the public. The specific objectives of this study are as follows: (1) To identify important information that needs to be displayed on the company profile website as a representation of the identity, advantages, and services of SD Negeri 2 Bugis. (2) To design an attractive, informative, and easily accessible user interface and website navigation structure for users such as parents, students, and the general public. (3) To apply the appropriate system design method in the process of developing a company profile website prototype that suits the needs of the school and target audience. (4) To produce a company profile website prototype that can be used as a promotional medium and to convey official information for SD Negeri 2 Bugis.

2. Method

The research methodology in this study began with determining the instruments used to support the system development process. These instruments included hardware and software. The hardware used was a computer with a 64-bit operating system based on an Intel Core i3-7020U processor and 8 GB of RAM. Meanwhile, the software used included Windows 10 Pro as the operating system, and PHP and MySQL as the programming languages and database, both of which were run through XAMPP. The use of these instruments aimed to ensure optimal data processing and web-based system development.

Data collection techniques were conducted through two main methods: interviews and observations. Interviews were conducted directly with the administration staff of SD Negeri 2 Bugis to obtain data related to the school's profile, such as its history, vision and mission, organizational structure, number of teachers and students, and available facilities. The data from these interviews served as the basis for compiling an informative and representative company profile. Furthermore, direct observations were conducted within the school environment, observing the physical condition of the building, facilities and infrastructure, and school operational activities. Observations also included visual elements such as the school logo, activity documentation, and environmental layout, ensuring that the data obtained is factual and supports the visual appearance of the system to be developed.

The system development method used was a web-based system design approach, with analysis of the existing and proposed systems. The current system is still manual, with school profile information stored in physical documents or simple digital files such as Microsoft Word and Excel, and information dissemination is carried out through print media. This situation limits public access to information.

Based on these issues, the development of a web-based company profile website system that can be widely accessed by the public is proposed. The system design was carried out using use case diagrams to illustrate the system's actors and functions, activity diagrams to explain the user activity flow when accessing menus such as home, profile, portfolio, and contact, and sequence diagrams to illustrate the interactions between the user, browser, server, and database in the data exchange process. Class diagrams were also used to show the relationships between system components.

The final stage in this research method was the design of the user interface, which consists of several main pages: home, profile, portfolio, and contact us. Each page is designed to present information in a structured,

interactive, and easy-to-understand manner for users, so that the resulting system is not only informative but also able to increase the accessibility of SD Negeri 2 Bugis profile information to the public..

3. Results and Discussion

Interview Results

Interviews were conducted directly with the Principal and Head of Administration at Bugis 2 Public Elementary School using the 5W+1H approach to explore system requirements for designing a company profile website. The Principal emphasized that the school's primary need is an official web-based platform capable of displaying a complete profile as a means of promotion and information transparency, in line with the demands of technological developments. The system's primary users include parents, prospective students, and the community. Meanwhile, the Head of Administration highlighted the importance of a system that can present data in a structured and well-documented manner, replacing manual methods and print media, with users not only from the community but also from the management staff.

The information required to be presented includes the school profile, vision and mission, flagship programs, achievements, activities, a documentation gallery, as well as teacher, staff, facility, announcement, and contact information. All information must be accessible online through various devices and updated regularly according to activity and administrative needs. In terms of design, the system is expected to have an attractive, simple, and easy-to-use interface, with a clear menu structure and content management features that do not require advanced technical skills. Ease of access is a crucial aspect for increasing the efficiency of information delivery.

System management is planned to be handled by an operator or officially appointed administrative staff. Overall, interview results indicated that the school requires a web-based company profile system capable of presenting information in a professional, structured, and easily accessible manner, while also supporting the school's promotional and administrative functions.

Observation Results

Observations were conducted directly at Bugis 2 Public Elementary School to obtain a concrete overview as a basis for designing the company profile website. Observations covered physical facilities, learning activities, activity documentation, and the current information delivery system. Observations indicated that the school has adequate facilities, such as well-organized classrooms, a teacher's lounge, an administrative room, a library, and a field. The school's environment is clean and representative, potentially attracting attention if published digitally.

The school also maintains documentation of its activities in the form of photos stored on various media, covering learning activities, extracurricular activities, celebrations of major holidays, and student achievements. However, this documentation has not been optimally utilized due to the lack of an integrated official digital media. Learning and extracurricular activities were observed to be active, scheduled, and orderly, indicating numerous positive activities worthy of publication as part of the company profile.

In terms of information delivery, the current system remains conventional, using bulletin boards and direct communication, so public access to information remains limited and not yet digitally centralized. Overall, observations indicate that the school has strong potential for developing its facilities, activities, and documentation on its website, while also underscoring the need for a more effective, professional, and accessible web-based information system.

System Requirements Analysis

The system requirements analysis was the initial stage, conducted through observations and interviews with the Principal and Head of Administration at Bugis 2 Public Elementary School to ensure the system developed met user needs. In general, the school required an official company profile website as a digital publication capable of displaying comprehensive information, equipped with documentation features and an activity gallery to showcase student photos and achievements, as well as a system that was responsive and easily accessible across various devices at any time.

From the Principal's perspective, the system was expected to function as a promotional and branding tool that could enhance the school's image through an attractive, professional, and informative appearance. Furthermore, special features were needed to publicize school achievements and activities as a form of transparency and a source of institutional pride, as well as a user-friendly interface for ease of use by all groups, including parents.

Meanwhile, the Head of Administration emphasized the importance of a system with simple content management features or an admin panel that could be used without advanced technical expertise. The system should also be able to store structured data, including teacher, staff, facility, and announcement data, and provide special features for the rapid and documented delivery of official information. Furthermore, the website should include contact information and the school's location to facilitate public access and contact with the school.

System Design

Use Case Diagram

A Use Case Diagram illustrates the interactions between actors (Admin and User) and the system. Users can view information, while Admins can manage website content. The following is a Use Case Diagram, which can be presented in the following image:

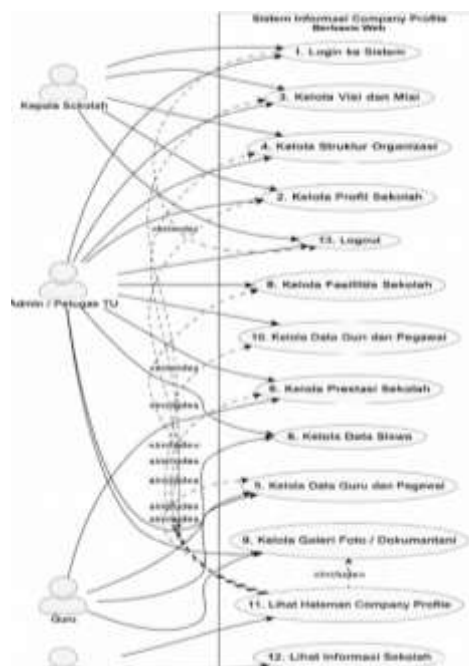


Figure 1. Use Case Diagram

From the use case diagram, a use case description is created, which can be seen in Table 1.

Table 1. Use Case Diagram Analysis

No	Use Case	Description
1	Login to the System	Actors (Principals or Admins/Administration Officers) authenticate by entering a username and password to access the system.
2	Manage School Profile	Admins or Principals can add, modify, and delete school profile information, such as the school's history, vision, mission, and general description.
3	Manage Vision and Mission	Actors can manage the school's vision and mission data to align with applicable educational policies and objectives.
4	Manage Organizational Structure	Actors can input, edit, and delete data on the school's organizational structure, including the positions and names of related personnel.
5	Manage Teacher and Employee Data	Admins can manage teacher and employee data, such as identity, position, and other information displayed on the website.
6	Manage Student Data	Admins can add, modify, and delete student data, which will be displayed informatively on the website.
7	Manage School Achievements	Admins or Teachers can enter and update information related to student and school achievements to publicize these achievements.
8	Manage School Facilities	Admins can manage information about school facilities, such as classrooms, libraries, laboratories, and other supporting facilities.
9	Manage Photo/Documentation Gallery	Admins or Teachers can upload, edit, and delete photos of school activities to display on the website's gallery page.
10	Manage Teacher and Employee Data (Details)	The system provides more detailed management of teacher and employee administrative data, including regular data updates.
11	View Company Profile Page	Visitors (users) can view the main company profile page, which contains general information about the school.
12	View School Information	Visitors can access all information available on the website, such as the school's profile, facilities, activities, and contact information, without logging in.
13	Logout	Logged-in users can log out of the system to end their session and maintain data security.

Activity Diagram

Activity Diagram View Home

The "View Home" activity diagram illustrates the process flow when a user accesses and views the main page (Home) of the web-based SD Negeri 2 Bugis Company Profile Information System. The process begins with the initial node (starting point), which indicates the beginning of the activity. The first stage is when the user opens a browser on their device, either a computer or smartphone. Once the browser is open, the user types the SD Negeri 2 Bugis website address into the address bar.

The system then processes the request and displays the main page (Home) of the website. On this main page, the system presents various basic information about the school. The information displayed includes the school name and logo, a brief history of the school, its vision and mission, and its organizational structure. This information aims to provide visitors with an overview of the school's identity and profile.

After the main information is displayed, the system provides a navigation menu, including the school profile, teachers and students, achievements, facilities, gallery, and contact information, to facilitate access to other pages. In the next stage, a decision node determines whether the user selects another menu. If selected, the system displays the page corresponding to the menu accessed; otherwise, the user remains on the main page (Home).

Once the process is complete, the activity flow ends at the final node, indicating that the main page has been accessed. Overall, this activity diagram demonstrates a simple and interactive Home page access process, allowing users to easily obtain initial information about the school and navigate to other pages as needed through the available navigation menu. The following is an image of the Home view activity diagram.

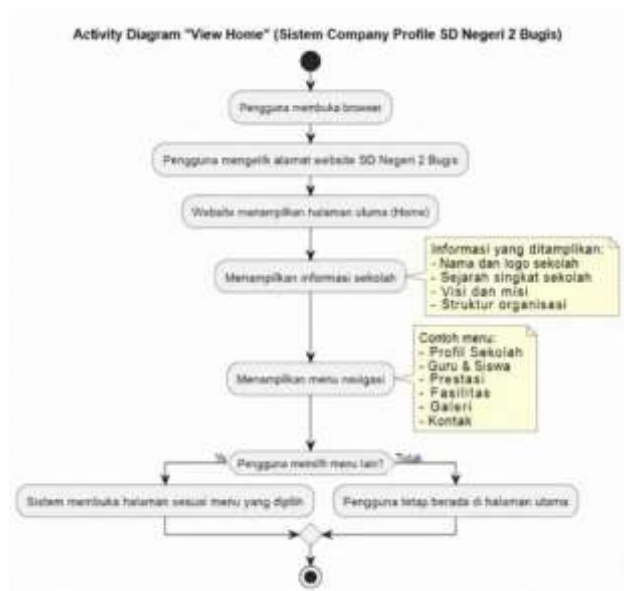


Figure 2. Activity Diagram: View Home

Activity Diagram: View Profile

The "View Profile" activity diagram illustrates the flow when a user accesses the school profile page on the SD Negeri 2 Bugis company profile website system. The process begins at the initial node when the user opens the website through a browser, then the system displays the main page (home). Next, the user selects the school profile menu in the navigation, and the system processes the request by retrieving data from the database containing profile information.

After the data is successfully processed, the system displays the profile page, which includes the school's history, vision and mission, organizational structure, teaching and staff data, and facilities. In the next stage, a decision node determines whether the user wants to view more detailed information. If the user selects to view details, the system displays additional information according to their selection; otherwise, the user remains on the main profile page.

After this process, the flow rejoins at the merge node, and the user can return to the main page. The process ends at the final node, which signifies the completion of the activity. Overall, this flow demonstrates the

system's interactive and dynamic nature, allowing users to explore profile information in greater depth as needed

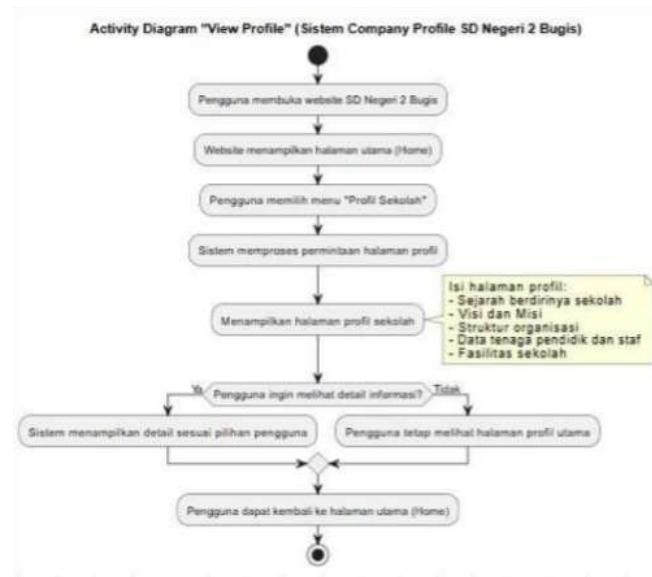


Figure 3. Activity Diagram for View Profile

Activity Diagram for View Portfolio

The "View Portfolio" activity diagram illustrates the process flow when a user accesses the portfolio page on the SD Negeri 2 Bugis company profile website. The process begins with the initial node when the user opens the website through a browser, then the system displays the main page (home). The user then selects the portfolio menu in the navigation, and the system processes the request by retrieving data from the database.

Once the process is complete, the system displays the portfolio page, which contains information about academic and non-academic achievements, school activities, student and teacher projects, and documentation of important activities. The next step is a decision node that determines whether the user selects a sub-portfolio. If the user selects a sub-portfolio, the system displays detailed information such as photos, descriptions, dates, and activity achievements. If not, the user remains on the main portfolio page.

The flow then rejoins at the merge node, and the user can return to the main page. The process ends at the final node, which signifies the completion of the activity. Overall, this flow demonstrates that the portfolio feature is interactive, structured, and supports the presentation of information about school activities and achievements as a means of publication and promotion.

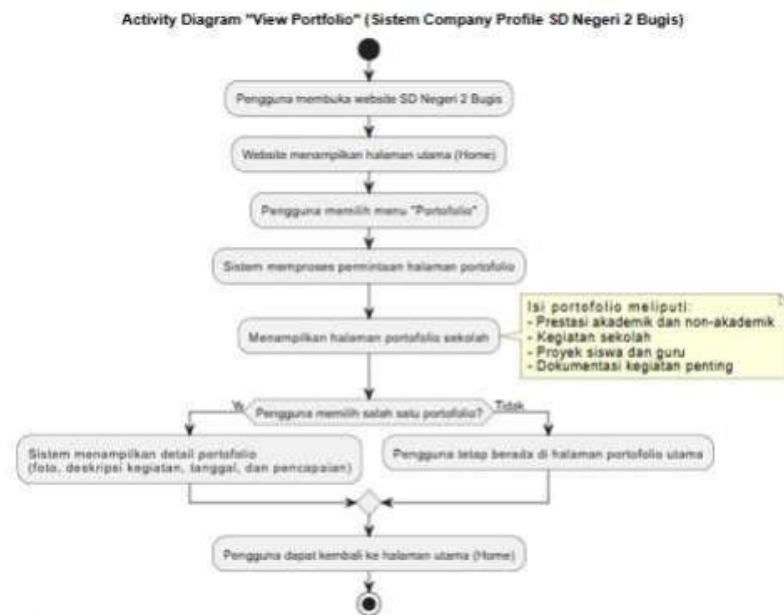


Figure 4. Portfolio View Activity Diagram Image

Activity Diagram: View Contact Us

The "View Contact Us" activity diagram illustrates the flow when a user accesses the contact page on the SD Negeri 2 Bugis company profile website. The process begins with the initial node when the user opens the website through a browser, then the system displays the main page (home). Next, the user selects the "Contact Us" menu, and the system processes the request to display the contact page.

The displayed page contains important information such as the school address, phone number, email address, Google Maps-based location map, and a message form. The next stage is a decision node that determines whether the user will complete the form. If the user sends a message, the system validates the data, saves it in the database, and displays a notification that the message was successfully sent. Otherwise, the user simply views the information without further interaction.

The flow then rejoins at the merge node, and the user can return to the main page. The process ends at the final node, which signals the completion of the activity. Overall, this flow demonstrates that the "Contact Us" feature not only provides contact information but also supports effective two-way communication through an integrated system.



Figure 5. Activity Diagram for the Contact Us View

Sequence Diagram

This system's sequence diagram illustrates the communication flow between the user, browser, web server, and database for several key features, without relying solely on visuals. The home view feature begins when a user accesses the website through a browser, which sends an HTTP request to the server. The server then retrieves profile data from the database, organizes it into a page, and sends a response back to the browser. As the user moves through menus, the request-response cycle repeats, demonstrating the dynamic nature of the system with a clear separation between the presentation layer, application layer, and data layer.

The profile view feature begins with access to the main page. When the user selects the profile menu, the browser sends a request to the server. The server retrieves data such as history, vision, mission, organizational structure, and teacher data from the database and sends it back for display. This process demonstrates that the system presents data in an integrated manner and can be updated without changing the display, while maintaining consistency and accuracy of the information.

The portfolio view feature has a similar process, but is more dynamic because it involves lists and detailed data. After the user selects the portfolio menu, the server retrieves activity and achievement data from the database and displays it. If the user selects specific details, the browser sends an additional request with specific parameters, and the server then retrieves the specific data and displays it. This mechanism ensures a coherent and fast presentation of information and supports the school's digital promotional function.

Meanwhile, in the "view contact us" feature, the initial flow is the same as retrieving data using a GET request to display contact information. When the user fills out the form, the process continues with client-side validation using JavaScript and then server-side validation for security, including preventing SQL injection and Cross-Site Scripting (XSS). Valid data is then saved to the database via INSERT, and the system provides a success or failure notification.

Overall, this entire flow implements a three-tier architecture concept with a stateless request-response mechanism that ensures the system operates efficiently, securely, and in a structured manner. In addition to presenting information quickly and accurately, the system also improves communication effectiveness because user messages are digitally stored, documented, and can be better followed up by the school.

Class Diagram

The class diagram on the SD Negeri 2 Bugis company profile website represents the static structure of the system using an Object-Oriented Design (OOD) approach, where each entity is modeled as a class with attributes and methods. This diagram illustrates the relationship between visitors, as external actors, and system modules such as home, profile, teacher data, portfolio, and contact us, as part of the website's main features.

The Visitor class functions as an entity that interacts with the system by accessing the website and viewing the company profile. This reflects the principle of abstraction, as only relevant behaviors are modeled, without internal attributes. The CompanyProfile website class serves as the central point that coordinates all modules, demonstrating compositional relationships and the principle of high cohesion, where navigation management is centralized while content is delegated to individual classes.

The encapsulation principle is evident in the separation of attributes and access through methods, such as the profile class, which stores historical data, vision, mission, organizational structure, and facilities without direct access by other classes. Each class, such as home, teacher data, portfolio, and contact us, has specific responsibilities according to the Single Responsibility Principle (SRP), reducing system complexity and making it easier to develop.

The relationship between classes is a one-way association from the CompanyProfile website to the module, which can be implemented as an object and acts as a facade to simplify user interaction. When integrating with a database, each class can be mapped to a table using Object-Relational Mapping (ORM), where attributes become columns and relationships are represented through foreign keys, while methods remain at the application layer.

Conceptually, the use of Unified Modeling Language (UML) in a single integrated diagram enables comprehensive system understanding, supports cohesion and coupling analysis, and improves traceability between requirements and implementation. This approach ensures a consistent, structured, and ready-to-implement system design that serves as a blueprint for school information system development. The following Class Diagram design is presented in the following image.

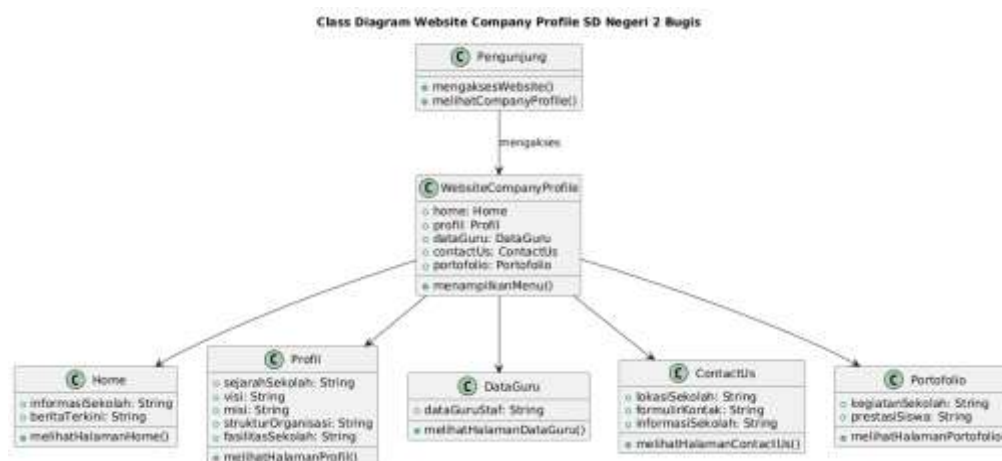


Figure 6. Class Diagram

User Interface Design

Home Page

The user interface design for the home page of the SD Negeri 2 Bugis company profile website system focuses on providing the initial impression and conveying the school's identity in a professional and informative manner. This page is designed with a modern minimalist approach that emphasizes the school's identity colors to strengthen branding. Key elements, such as the school name and vision statement, are placed in the hero section so users can immediately understand the school's character and development direction from the first time they access the page.

The page structure is systematically structured with a header, navigation bar, hero section, and call-to-action buttons such as "View Activities" and "Contact Us." Element placement follows an information hierarchy, with a focus on the top of the page so users can quickly and efficiently understand information according to common reading patterns.

From a usability perspective, the design emphasizes ease of use, consistency, readability, and responsiveness through the selection of clear typography, appropriate color contrast, and simple navigation. The implementation of responsive design ensures optimal display across various devices, particularly smartphones. This design is also adapted to interview and observation results that indicate the need for integrated digital media. Overall, the homepage plays a strategic role in conveying important information while enhancing the school's image as a professional, transparent, and adaptive institution to technological developments. The following is a display of the User Interface on the Home page which is presented in the following image.



Figure 7. Home Page User Interface

Profile Page

The user interface design for the profile page on the SD Negeri 2 Bugis company profile website system focuses on presenting institutional information systematically, informatively, and credibly as the school's official information center. The design uses a clean layout with a logically structured content structure, ranging from the school's history, vision and mission, organizational structure, teaching staff data, and facilities, allowing users to gain a gradual understanding from general to specific.

Content is grouped thematically with clear headings to facilitate navigation and user comprehension. The use of varied typography and visual elements helps emphasize important information, while internal navigation allows for efficient direct access to specific sections. In terms of readability and accessibility, the design emphasizes color contrast, proportional font size, and the implementation of responsive design for optimal accessibility on various devices.

This design is tailored to the information needs obtained from interviews, particularly regarding the school's history, vision and mission, teaching staff, and facilities. With its structured and transparent presentation, the profile page plays a role in enhancing credibility and strengthening the school's image as a professional and trustworthy institution.



Figure 8. Profile Page User Interface

Activities Page

The user interface (UI) for the Activities (Portfolio) page on the SD Negeri 2 Bugis Company Profile website is designed as a visual medium to display documentation of school activities in an informative and

persuasive manner. This page adopts a gallery concept based on visual storytelling, where photos of activities are combined with brief descriptions to realistically depict the dynamics of learning and school activities.

The layout uses a card layout with a grid system to ensure each activity is neatly arranged, consistent, and easily scanned by users. Each card contains a main image, activity title, and summary information, with a more dominant visual proportion to attract attention. The grid system was chosen because it is flexible, responsive, and able to adapt to various devices.

The gallery visualization was considered for its emotional appeal and ability to provide authentic evidence of school activities. Documentation of learning activities, health programs, and facilities provides a concrete representation of the quality of the educational environment. User interaction is facilitated through a click-to-view activity detail feature, allowing users to obtain more complete information without losing the navigation context.

Strategically, the activities page functions as a digital portfolio that supports school promotion. Presentation of structured and professional documentation increases transparency, builds public trust, and strengthens the image of SD Negeri 2 Bugis as an active and credible educational institution. The following is the User Interface display on the Activities (Portfolio) page which is presented in the following image.



Figure 9. Portfolio Page User Interface Display

Contact Page

The User Interface (UI) design for the Contact Us page in the SD Negeri 2 Bugis Company Profile system is designed as an official communication tool between the school and the community. The design concept prioritizes simplicity, clarity of information, and ease of access so that users can quickly obtain and share information.

The page structure includes the school's complete address, telephone number, and email address, along with a digital location map integration to facilitate accurate location. Information is systematically organized, supported by visual icons and clear typography to enhance readability. The map integration also serves to strengthen the institution's credibility through location transparency.

This page features a contact form consisting of name, email, subject, and message fields. Each input field is clearly labeled and a conceptual validation mechanism ensures completeness and formatting, particularly for email addresses. The system provides notifications if any errors are entered, ensuring the quality of the received data.

From a usability perspective, the design is responsive and easy to navigate across various devices. The simple and structured arrangement of elements makes it easy for users from various backgrounds to interact with the system. This design aligns with the needs of school stakeholders, as identified in interviews, which demonstrated the importance of a documented and integrated online communication medium. Strategically, the Contact Us page plays a role in building effective two-way communication and strengthening the image of SD Negeri 2 Bugis as an open, professional, and responsive educational institution to community needs. The user interface on the Contact Us page is shown in the following image.



Figure 10. User Interface Display of the Contact Us Page

Discussion

System Suitability

System suitability was analyzed through interviews with the Principal and Administrative staff, as well as direct observation. This revealed that SD Negeri 2 Bugis lacked an official digital platform, resulting in conventional information delivery, resulting in limited reach and suboptimal publication of school activities and achievements.

Based on these findings, the system was designed to address user needs by presenting a home page to concisely display the school's identity; a profile page that presents comprehensive information such as history, organizational structure, teacher data, and facilities for transparency; and a portfolio page to document activities and achievements that had not previously been published digitally. Furthermore, a contact us page facilitates communication through address information, a location map, and a message form.

Functionally, all features were designed according to needs and structured using UML diagrams. Non-functionally, the system was designed to be user-friendly, responsive, and easily accessible across various devices. In relation to the information system concept, the system meets the input, process, and output requirements, where school data is processed in a web-based system and produces information that can be accessed online. Therefore, the system has a high level of suitability for user needs, based on the research findings.

Analysis of Website Effectiveness as a School Promotional Medium

The system's effectiveness was analyzed by comparing conditions before and after the design. Previously, information delivery was manual, through print media or in-person visits, thus limiting its reach. After the company profile website was designed, school information can be accessed anytime and anywhere with an internet connection, demonstrating a significant increase in reach and ease of access.

From a promotional perspective, the website serves as a digital branding medium that systematically and professionally displays the school's vision, mission, facilities, and achievements, thereby enhancing the school's image and competitiveness amidst technological advancements. Furthermore, its effectiveness is also evident in its transparency aspect, as the comprehensive and structured information presentation facilitates public understanding of the school's condition and has the potential to increase parental trust.

However, the system's effectiveness remains limited because it has not undergone extensive live testing and is still in the prototype stage, thus not being fully implemented on the official server. Therefore, further implementation and evaluation are needed to quantitatively measure its impact. Overall, the designed system has demonstrated high potential as a more effective promotional and information delivery medium than previous manual methods and has contributed to improving the quality of digital school information services.

User Interface Design Analysis

The interface design in this system is designed as a critical component to ensure ease of use and an optimal user experience. The navigation structure is simple and consistent, with main menus such as home, profile, portfolio, and contact us displayed clearly to facilitate navigation between pages. Visually, the color selection is adapted to the formal and professional character of the institution, while the layout balances text and images to avoid confusion, and the fonts are chosen for legibility across various devices.

Usability principles are implemented through learnability, efficiency, and clarity of information to minimize user error. Furthermore, the system is designed using a responsive design concept so that the display can adapt to various screen sizes, particularly the widely used mobile devices.

However, this design still has limitations because it lacks advanced interactive features and has not undergone formal usability testing. Therefore, further development is needed to improve the overall user experience.

4. Conclusion

Based on the analysis, design, and implementation of the Web-Based Company Profile Information System for Bugis 2 Public Elementary School, it can be concluded that the company profile website has been successfully designed in accordance with the needs obtained through interviews and observations within the school environment. The school's primary need for an official digital medium to convey information and promote the institution's profile has been accommodated in the system.

The designed system is capable of displaying school information in a structured, systematic, and professional manner. The information presented includes the school profile, vision and mission, organizational structure, teacher and staff data, school facilities, activity portfolio, and contact information integrated with the database. By separating the user interface, application logic processes, and data management, the system can run efficiently and support more organized information management.

Furthermore, the developed website can function as a more effective promotional and information delivery medium compared to the previous manual system. School information can be accessed anytime and from anywhere by the community, parents, and prospective students, thereby enhancing the transparency and professional image of Bugis 2 Public Elementary School as an educational institution adapting to developments in information technology.

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