



# Extracurricular Management Information System at SMPN Binakal Bondowoso Based on Website and WA Gateway

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## Article Info

### Article history:

Received 5 June, 2024

Revised 6 July, 2024

Accepted 26 July, 2024

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### Keywords:

Marine;  
Quality services;  
Tourism;

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## ABSTRACT

Visitor loyalty to tourist attractions is crucial as it maintains a stable and loyal customer base, reduces promotional costs, and increases visitor spending. Understanding factors is essential to enhancing visitor experiences and the positive reputation of tourist destinations. The purpose of this study is to examine the factors influencing visitor loyalty to tourism attractions in Polewali Mandar after the New Normal era and the Covid-19 disaster. Specifically, the study investigates the impact of reliability, insurance, tangibles, empathy, and responsiveness on visitor loyalty in the region. The findings suggest that while the quality of services provided by tourism attractions meets some expectations, there remains a discrepancy between visitor expectations and actual experiences. Despite this, the marine tourism attractions in Polewali Mandar continue to attract visitors due to their promising locations and scenic views. However, overall satisfaction with reliability, assurance, tangibles, empathy, and responsiveness is moderate, indicating there is room for improvement in service delivery at these tourism sites.

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## INTRODUCTION

One of the educational institutions that has utilized information technology is Smpn Binakal Bondowoso which is located on Jl. Raya Kemantre No.05, Binakal, District. Binakal, Kab. Bondowoso Province. East Java, however, not all of the processes at SMPN Binakal Bondowoso are well standardized, there are still several activity processes that are carried out manually, that is, they are still recorded in books, one of which is the management process in the extracurricular sector. The impacts and consequences of using manual processes tend to require more time and effort than using automatic processes or technology and can result in low efficiency in managing extracurricular activities, such as setting schedules, recording attendance and organizing events. This system is carried out by visiting each class to collect data on students who take part in extracurricular activities. The existence of the proposed application makes registration more effective and efficient. Information processing on extracurricular registration and student data becomes more precise, fast and accurate. Apart from that, the web-based computerized system and WA Gateway help distribute information to all groups in school institutions without being hampered by situations that hinder extracurricular activities. Thus, this registration application is able to process extracurricular organization registration activities online.

Extracurricular activities (excurriculars) are additional activities carried out outside class hours, either at school or outside school. Extracurricular aims to ensure that students gain additional knowledge, skills and



**Problem**

Registration of extracurricular members is still manual, that is, extracurricular supervisors still come to each class and provide guidance to students, so it is quite inefficient.

Information regarding activities is still manual, that is, the supervisory teacher still makes announcements using the school loudspeaker.

Assessment and attendance data are processed manually by writing them on paper.

Management of achievement data which will then be recorded in writing in a book.

**System design**

In this stage the researcher divides the system design into several data flow diagram models, namely Context Diagram, Data Flow Diagram. Database modeling using the Conceptual Data Model. An explanation of each can be seen in the following explanation:

**Context Diagrams**

is a comprehensive definition of the system to be designed. This Context Diagram is used to facilitate the process of analyzing the system being designed as a whole. Context diagrams function as media consisting of a process and several internal units

**DISCUSSION**

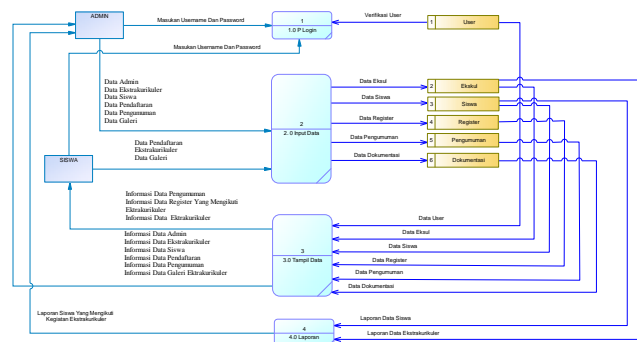
In many ways, is the most important section in an article. Because it is the last thing a reader sees, it can have a major impact on the reader’s perceptions of the article and of the research conducted.

Different authors take different approaches when writing the discussion section. the discussion section should: Restate the study’s main purpose, Reaffirm the importance of the study by restating its main contributions, Summarize the results in relation to each stated research objective or hypothesis without introducing new material, Relate the findings back to the literature and to the results reported by other researches, Provide possible explanations for unexpected or non-significant findings, Discuss the managerial implications of the study, Highlight the main limitations of the study that could influence its internal and external validity, Discuss insightful (i.e., non-obvious) directions or opportunities for future research on the topic. (3)

The discussion section should not merely restate the findings reported in the result section or report additional findings that have not been discussed earlier in the article. The focus should rather be on highlighting the broader implications of the study;s findings and relating these back to prvious research. Make sure that the conclusions you reach follow logically from and are substantiated by the evidence presented in your study. (4,5)

**Data flow diagrams**

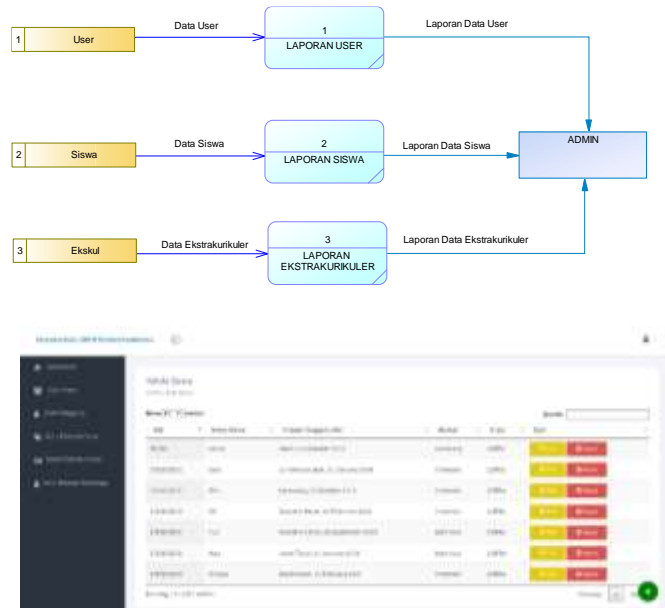
The data flow diagram is a more detailed explanation of the entity's activities after decomposing the context diagram in the Extracurricular Management Information System at SMPN Binakal Bondowoso based on the Website and WA Gateway. As in image 3 below:



**Gambar 3** data flow diagram Level 0

**Data flow diagrams**

The data flow diagram is a more detailed explanation of the entity's activities after decomposing the context diagram in the Extracurricular Management Information System at SMPN Binakal Bondowoso based on the Website and WA Gateway. As in Figure 5 below:



**Gambar 4.** Data Flow Diagram Level 4

**User Interface**

**Login Page**

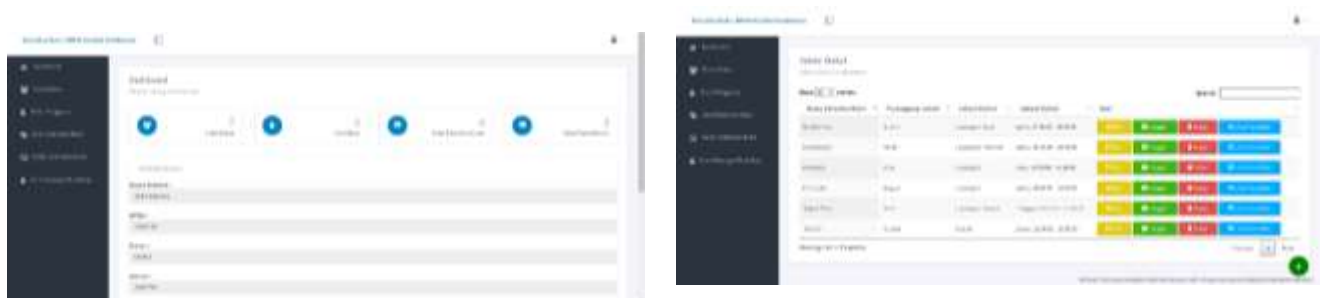
The Login page in Figure 1. The following is used for the process of filling in the user name (Username) and password (Password) which are used to protect the security of the information system from unwanted things. Username and Password then the program cannot be run. This Login page can only be entered if the Username and Password are correct and those who know are the admin and students.

**Dashboard**

On the dashboard page there is information such as total students, total accounts, total extracurriculars, total dashboard registrations, student data, user data, extracurricular data, extracurricular gallery and Send Whatsapp to parents.



**Gambar 5.** Login



**Gambar 6.** Dashboard

**Student data**

On this student data page there is data information in the form of student registration, student name, student birth date, student address, student class, then there is an edit or delete feature.

Gambar 9 student data

### List of users

On this user page is user data that can log in to the system which can add user data in admin, admin can manage student users, and admin can import, delete and edit student user data

### Extracurricular data

This extracurricular page contains information on data such as badminton, drumband, paskibraka, scouts, soccer and tahfidz. In this extracurricular data there is information on the extracurricular name, person in charge, extracurricular location, extracurricular schedule and feature options for editing, uploading, deleting and viewing registration in detail. details carried out by students.



Gambar 7. extracurricular data

### Extracurricular gallery data

This extracurricular gallery page contains photos of activities at SMPN Binakal Bondowoso such as the names of extracurricular activities and photos of extracurricular activities.



Gambar 8. extracurricular gallery data

### Add student data

In the add student display, the admin adds student data in the form of ID, Student Name, Place of Birth, Date of Birth, Address, Class, Department and Study Group. When the admin has input it, then clicks add, it will be saved into the database.

### Add user data

In the add student display, the admin adds user data such as Nis Username Password and Confirm Password, when the admin has input it and then clicks add, it will be saved into the database



gambar 14 add student data



Gambar 13 add student data

### Add extracurricular data

In the add extracurricular data display, the admin adds extracurricular data in the form of extracurricular name, person in charge, location, day, start time, end time, when the admin has input it and then clicks add, it will be saved into the database.



Gambar 15 add extracurricular data

### Add extracurricular data

In the add extracurricular gallery data display, the admin adds extracurricular gallery data in the form of photos of extracurricular activities. When the admin has input it, then clicks add, it will be saved into the data base.



Gambar 16 added extracurricular gallery

## CONCLUSION

This extracurricular application makes presenting extracurricular information at SMPN Binakal Bondowoso easier to obtain, because it is connected to one source of information in the system.

This extracurricular application helps coaches manage extracurricular registrants which are displayed on the extracurricular registrant menu.

This extracurricular application helps extracurricular supervisors in providing information or announcements regarding extracurricular activities which are displayed on the extracurricular announcement menu.

This extracurricular application facilitates the registration of new extracurricular members for students who will register for the extracurricular they are interested in.

Extracurricular applications help students easily obtain information such as extracurricular implementation schedules.

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