#### THE RESULTS OF STUDENT MOBILITY REPORT

## IMPLEMENTATION OF LEARNING MYSQL DATABASE AT NJCIT FOR THE DEVELOPMENT OF ACADEMIC INFORMATION WEBSITE SYSTEM OF SMKN 2 BANDAR LAMPUNG



By:

MELINA NPM : 1911068019P

# COMPUTER SYSTEM DEPARTMENT FACULTY OF CCOMPUTER SCIENCE INFORMATICS BUSINESS INSTITUTE DARMAJAYA BANDAR LAMPUNG

2021



i

#### CURRICULUM VITAE

#### 1. Identity

Name	: Melina
Student Number	: 1911068019P
Place/ Date of birth	: Bandar Lampung, 01 May 2000
Religion	: Islam
Address	: Jln. Untung Suropati GG. Wai pios No.68
Tribe	: Lampung
Nationality	: Indonesia
Email	: linamel672@gmail.com
No phone	: 0895-3375-29192

#### 2. Educational Background

a. b. c.

: SD Negeri 1 Labuhan Ratu		
: SMP Negeri 8 Bandar Lampung		
: SMK Negeri 2 Bandar Lampung		

I hereby declare that all the information I have provided above is true.

Bandar lampung, Agustus 17th 2021

NG

<u>Melina</u> 19110689019P

ii

#### SUMMARY

The International Relations Office (KUHI) or commonly known as the International Office of IIB Darmajaya has one program, namely student mobility. Student mobility is a program that provides opportunities for Darmajaya students to study abroad for 1 semester and experience studying abroad with a different education system, new environment, and innovation in self-development. One of the benefits of participating in this student mobility program is that students can expand their international network and gain international perspectives related to insight and knowledge.

The final project that the author implements in this report is the design of a data collection web system about schools and others with the aim of helping students or the community to access the schools they want.

This project is a system created with a database model using PHP/MYSQL that records a school's data and can be accessed by the public. Of course the data is stored very securely by the admin.

#### PREFACE

Praise the author, pray to god almighty who has betwoed his gift so that the author can complete a report practice work of student mobility entitled "Implementation of learning MySql database at NJCIT for the development of academic information website system of SMKN 2 Bandar Lampung". This report is complied as a report on practical work carried out in the country of China, namely at the Nanjing Vocational College Of Information and Technology campus which was held from March 15th, 2021 to June 17th, 2021.

The report was prepared with help from different sides, and the writer expressed gratitude to:

1. Mr. Ir. Firmansyah Y.A., MBA., MSc., as the Chancellor IIB Darmajaya.

2. Mr. Dr. RZ. Abdul Aziz, ST., MT., as the Vice Chancellor I IIB Darmajaya.

3. Mr. Ronny Nazar, SE., MT., as the Vice Chancellor II IIB Darmajaya.

4. Mr. Muprihan Thaib, S.Sos., MM., as the Vice Chancellor III IIB Darmajaya.

5. Mr. Prof. Dr. Ir. RA Bustomi Rosadi M.S., as the Vice Chancellor IV IIB Darmajay.

6. Mrs. Nurfiana, S.Kom., M.Kom as the Head of the Computer Systems Department IIB Darmajaya and at the same time the Counselor who helped me a lot and has been patient in guiding the author until report is completed.

7. Mr. M. Dwiyan Aditya, S.Pd., M.Pd., as the Director International Office IIB Darmajaya and at the same time Practice Advisor.

8. The author's parents are Mr. Mursalin, Ms. Asmawati and my brothers or sisters who have provided prayers, motivation and support for the success of the author.

9. Ms. Gao Yun, Mr. Ni Jing, Ms. Kong Feng, Mr. Chen Shilin, Ms. Li Jie, Mr. Eric, Ms. Zhang Yan and all Foreigner lecturers who always guide the author during their studied at Nanjing Vocational College Of Information and Technology (NJCIT).

10. Qorri, Heri and Nasril and all my classmates in the courses the author took who always help the outhor while studied at Nanjing Vocational College Of Information and Technology (NJCIT).

 Yunika, Meliniah as my best friend and special person who motivates me, namely Galang. you as a support and entertainer while studying at IIB Darmajaya.

12. All the parties that the author cannot mention one by one, and have helped the completion of this report.

Recognizing that there are still many flwas and errors in both the composition and the languages used, it is hoped for contructive advice and criticsm. I hope this report benefits all of us.

Bandar lampung, August 17th, 2021

Author Melina

NPM. 1911068019P

V

### TABLE OF CONTENTS

SIGNATURE APPROVALS	i
CURRICULUM VITAE Error! Bookmark n	ot defined.
SUMMARY	iii
PREFACE	iv
TABLE OF CONTENTS	vi
TABLE OF FIGURE	ix
LIST OF TABLES	xi
CHAPTER I INTRODUCTION	1
1.1 Background	1
1.2 Formulation of the Problem	2
1.3 The Scope of Research	2
1.4 Benefits and research objectivies	2
1.4.1 Benefits of Research	2
1.4.2 Research Purposes and Research objectives	3
1.5 Time and Place of Implementations	3
1.5.1 Execution Time	3
1.5.2 Place of Execution	3
1.6 Writing System	3
CHAPTER II LITERATURE REVIEW	5
2.1 School Information System Database	5
2.2 PHPMyadmin (Hypertext Preprocessor)	6
2.3 MYSQL	6
2.4 Xampp	7
2.5 Website	8

CHAPTER III RESEARCH METHODS
3.1 Problem solving framework
3.2 Method Of Collecting Data10
3.3 Problem Analysis
3.4 Tools Used10
3.5 Design
3.5.1 ERD (Entity Relationship Diagram)12
3.5.2 Logical Model Design
3.5.3 Physical Model Design14
3.6 Access System Interface For Library Members15
3.6.1 Admin Interface15
3.6.2 Teacher Interface
3.6.3 Students Interface
3.7 Testing
3.7.1 User Access Test Running18
3.7.2 Testing Upload Photos To Users
3.7.3 Test Download Schedule
3.8 Implementation
CHAPTER IV RESULT AND DISCUSSION
4.1 Result23
4.2 Discussion
4.2.1 Admin Interface
4.2.2 Teacher Interface
4.2.3 Students Interface
CHAPTER V CLOSINGS
5.1 Conclusion
5.2 Suggestion
REFERENCES

ATTA	ACHMENT	41
1.	Database Technology Course	.41
2.	Computer Network Course	.42
3.	Digital Signal Course	.44
4.	Broadband Access Technology Course	.45
5.	Programming Course	.47
6.	Object Oriented Programming Course	.48

Figure 3.1 Research Stage	9
Figure 3.2 Entity Relation Diagram	. 12
Figure 3.3 Logical Model Design	. 13
Figure 3.4 Physical Model Design	. 14
Figure 3.5 Login Page Interface Design	. 15
Figure 3.6 Admin Menu Design	. 15
Figure 3.7 Login Page Interface Design	. 16
Figure 3.8 Teacher Menu Design	. 16
Figure 3.9 Login Page Interface Design	. 17
Figure 3.10 Student Menu Design	. 17
Figure 3.11 Admin Table View	. 18
Figure 3.12 Md5 Website View	. 19
Figure 3.13 Admin Access View To Website	. 19
Figure 3.14 Student Table View	. 19
Figure 3.15 Display The Results Of Uploading Photos	20
Figure 3.16 Schedule Table View	21
Figure 3.17 Teacher Webiste View Download Schedule	. 21
Figure 3.18 Md5 Website Interface Display	. 22
Figure 4.1 Admin Menu View	. 23
Figure 4.2 Teacher Menu View	. 23
Figure 4.3 Student Menu View	. 24
Figure 4.4 Main Page View	. 25
Figure 4.5 Menu Login Admin	. 26
Figure 4.6 Website Dashboard Interface For Admin	. 26
Figure 4.7 Website List SPP of Students Interface For Admin	. 27
Figure 4.8 Website Lesson Timetable Interface For Admin	. 27
Figure 4.9 Website Announcement Interface For Admin	28
Figure 4.10 Website Teacher Data Interface For Admin	28
Figure 4.11 Website Students Data Interface For Admin	29

### **TABLE OF FIGURE**

Figure 4.12 Website List Employee Interface For Admin	29
Figure 4.13 Website List Class Interface For Admin	30
Figure 4.14 Website List Majors Interface For Admin	30
Figure 4.15 Website List Mapels Interface For Admin	31
Figure 4.16 Website School Year List Interface For Admin	31
Figure 4.17 Website Login Interface For Teacher	32
Figure 4.18 Website Dashboard Interface For Teacher	33
Figure 4.19 Website Announcement Interface For Teacher	33
Figure 4.20 Website Uploading Value Interface For Teacher	34
Figure 4.21 Website Teacher Bio Interface For Teacher	34
Figure 4.22 Website Download Schedule Interface For Teacher	35
Figure 4.23 Website Login Interface For Students	35
Figure 4.24 Website Dashboard Interface For Students	36
Figure 4.25 Website Student Bio Interface For Students	36
Figure 4.26 Website Student Scores Interface For Students	37
Figure 4.27 Website Student Schedule Interface For Students	37
Figure 4.28 Website Announcements Interface For Students	38
Figure 4.29 Website SPP Payment Status Interface For Students	38

### LIST OF TABLES

Table 3.1 Computer Device Specification	11
Table 3.2 Software requirements	11

### CHAPTER I INTRODUCTION

#### **1.1 Background**

Learning media is an information medium for teaching and learning activities so that it can provide effectivtiveness and interactivity in learning. The existence of media in the teaching and learning processs is expected to help lecturers and students in learning to be more visual, interactive interesring, easy, and quick to understand.

Institute informatics and business darmajaya has an office for international relations (KHUI) or commonly know as the international office which has many program activities, one of which is student mobility. Student mobility is an activity that provides opportunities for students to experience being a student abroad for 1 semester. This program is an activity for students who want to do study abroad and experience studying abroad with different education system in a new environment as well as being creative and innovating in self-development.

One of the universities that is the goal of the student mobility program is Nanjing Vocational College Of Information and Technology(NJCIT), china. NJCIT also has the best competence in the field of computers and one of the courses is in the field of IoT on data collection in the database technology course.

The development of science and technology today has had a significant impact on aspects of the teaching and learning process between students and lecturers. So that in this learning, students and lecturers are virtual or use video calls because of the constraints caused by Covid-19 which makes students and lecturers unable to meet in person there. There are 6 subjects that are taken, namely, broadband access technology, computer networks, programming, database technology, object-oriented programming, and digital signals.

From some of these subjects make the final project of the subject database technology, so the author makes the title " Implementation of learning MySql database at NJCIT for the development of academic information website system of SMKN 2 Bandar Lampung".

#### **1.2 Formulation of the Problem**

How students enrolled in this school can easily register or get information of this school.

#### **1.3 The Scope of Research**

In this research, based on the existing problems, the problem is limited as follows:

- To make it easier for students or teachers to access information at SMKN 2 Bandar Lampung.
- 2. The data in this information system includes: admin data, student data, and student data.
- 3. The existing processes used are the process of saving, editing, downloading schedules, and web user profiles.

#### **1.4 Benefits and research objectivies**

#### **1.4.1 Benefits of Research**

This research of following benefits :

- 1. Can be a learning tool for students to implement the knowledge gained from partner campuses.
- 2. Can help students or teachers who are already registered in this school to access information.
- 3. Adding experience and insight in conducting research abroad.

#### **1.4.2 Research Purposes**

#### **Research objectives, among others:**

1. Produce an information system that can make it easier to process school data at SMKN 2 Bandar Lampung.

2. Provide solutions to overcome data management problems when needed.

3. To avoid mistakes in learning and teaching activities both information and other things.

#### 1.5 Time and Place of Implementations 1.5.1 Execution Time

The implementation of the student Student Mobility program period 10 is carried out for 1 semester, starting from 15 march 2021 to 17 June 2021.

#### **1.5.2 Place of Execution**

The implementation of this practical work was carried out at Nanjing Vocational College of Information and Technology (NJCIT).

#### 1.6 Writing System

The writing system used in this research report is divided into several main topics, namely :

#### **CHAPTER I INTRODUCTION**

This chapter contains the background of the problem, problem formulation, problem definition, research objectives and research benefits.

#### **CHAPTER II LITERATURE REVIEW**

This chapter contains theories related to "Implementation of learning MySql database at NJCIT for the development of academic information website system of SMKN 2 Bandar Lampung".

#### **CHAPTER III RESEARCH METHODS**

This chapter explains what will be used in making website design, E-R Diagram of the database, and how the website works.

#### CHAPTER IV RESULT AND DISCUSSION

This chapter contains the implementation of the flow, analysis and discussion of the flow that will be designed.

### CHAPTER V CONCLUSION AND SUGGESTION

This chapter contains conclusions from testing the system whether this system can be used properly.

### REFERENCES

ATTACHMENT

### CHAPTER II LITERATURE REVIEW

#### 2.1 School Information System Database

Information systems are a combination of information technology and the activities of people who use that technology to support operations and management. In a very broad sense, the term information system is often used to refer to the interactions between people, algorithmic processes, data, and technology. This system stores, retrieves, converts, processes and communicates information received by using information systems or other system equipment. This system also functions as a medium to provide useful information for management and support strategic plans within the organization. While the purpose of the information system is to collect data, store and inform the users who need it.

According to (Supriyanto: 2005) it is known that information is very important for management in decision making. Information can be obtained from information systems or also called system processes or information system processes.

Database or database is a collection of data that is managed in such a way based on certain conditions that are interconnected so that it is easy to manage. Through this management, users can find it easy to find information, store information and dispose of information.

A school is an institution for students teaching students under the supervision of a teacher. Most countries have formal education systems that are generally mandatory. In this system, students progress through a series of teaching and learning activities in schools. School is an important education for parents for their children, so many people are looking for school information through any media. In modern times, people want practical information, online information

systems such as information systems via the web are what people need today. The information system used can input student data very easily and there are features that inform about the school.

#### 2.2 PHPMyadmin (Hypertext Preprocessor)

Hypertext Preprocessor (PHP) is a serverside scripting language that integrates with HTML to create dynamic web pages. According to M. Rudyanto Arief (in Nugroho: 2004) PHP is widely used for programming dynamic WEB sites. Because PHP is server-side scripting, the PHP syntax and commands will be executed on the server and the results are sent to the browser in HTML format. Thus the program code written in PHP will not be seen by the user so that the security of the web page is guaranteed. PHP is designed to create a view based on recent requests, such as displaying database content to a web page. Some of the advantages of PHP from web programming languages, among others: The PHP programming language is a scripting language that does not compile in its users. PHP has a faster access rate. PHP has a fast lifecycle so it always follows the development of internet technology. PHP also supports access to several existing databases, both free and commercial. The databases include: MySQL, PostgresSQL, Infomix, and Microsoft SQL Server. Web servers that support PHP can be found everywhere from Apache, IIS, AOserver, phttp. In terms of development, it is easier, because there are many mailing lists and developers who are ready to help in development. PHP is free or free.

#### 2.3 MYSQL

Mysql according to (nugroho: 2004) mysql is a sql database management system software (english: database management system) or DBMS that is multithreaded, multi-user, with about 6 million installations worldwide. Mysql ab makes Mysql available as free software under the gnu general public license (GPL), but they also sell under a commercial license for cases where its use is incompatible with the use of the gpl. Mysql is an implementation of a relational database management system (RDBMS). Which is distributed free of charge under the GPL (general public license). Every user can freely use mysql, but with limitations the software may not be used as a commercial derivative product. Mysql is actually a derivative of one of the main concepts in a pre-existing database; SQL (structured query language). SQL is a database operation concept, especially for selecting or selecting and entering data, which allows data operations to be done easily automatically. The reliability of a database system (DBMS) can be seen from how the optimization works in processing sql commands made by users and application programs that use them. As a database server, mysql supports transactional database operations as well as non-transactional database operations. In the non-transactional mode of operation, Mysql can be said to be superior in terms of performance compared to other competitor database server software.

#### 2.4 Xampp

Xampp according to puspitasari (2011:1) argues that "xampp is an apache webserver software in which the mysql database server is available and supports php programming. Xampp is a free easy-to-use software that supports installation on linux and windows. Another advantage is that it only installs 1 time already available apache web server, mysql database server, PHP support (php4 and php5) and several other modules only the difference is that the windows version is always in the form of a graphical installation and the linux one is in the form of a compressed tar.gz file. Another advantage that is different from the version for windows is that it has a feature to activate a server graphically, while linux is still in the form of commands in the console. Therefore the version for linux is difficult to operate".

#### 2.5 Website

Website is a collection of pages consisting of several pages that contain information in the form of digital data in the form of text, images, videos, audio, and other animations provided through an internet connection (Abdullah, 2015). A website is usually placed on at least a web server that can be accessed via a network such as the Internet, or a local area network (LAN) via an Internet address known as a URL. The combination of all publicly accessible sites on the Internet is also known as the World Wide Web or better known by the abbreviation WWW. A web page is a file that is written as a plain text file that is arranged and combined in such a way with HTML or XHTML-based instructions, sometimes also embedded with a few scripting languages.

### CHAPTER III RESEARCH METHODS

#### 3.1 Problem solving framework

The authors use a problem-solving framework in research with the following system development methods. The author uses a waterfall method in the development system in this research, because in that method the system cannot run, when a problem occurs the process stops, because it cannot go to the next stage. In system development can be seen in the flowchart below:



**Figure 3.1 Research Stage** 

#### **3.2 Method Of Collecting Data**

The method used by the author as the basis for determining website creation based on software development methods is to use the waterfall model. This model provides a sequential software flow approach starting from the analysis, coding design, testing and support stages.

In this study the authors used various methods, namely as follows :

- 1. Literature review namely data collection by studying and analyzing materials in the form of books, reports and journals that support and relate to the title of this report.
- Observation namely the collection of data by making direct observations and systematically recording the object under study.

#### 3.3 Problem Analysis

Based on the activities carried out, the problems are as follows "How to create a school information system for SMKN 2 Bandar Lampung so that students, teachers or others can easily get information that they can access on the website".

And students understand the importance of an information system database website that manages school information at SMKN2 Bandar Lampung and also its output can help students easily get information on grades, schedules and others.

#### **3.4 Tools Used**

The tools needed to create a data management website The school information system uses the PHP and MYSQL programming languages as its database is to create a database design on the website that contains what tables will be used and what columns are needed. After that, determine the web server used and the framework needed, this time the author uses the XAMPP Control Panel as a web server, the next step is to create a website design and coding. the coding used for user security such as eating passwords using Md5 which can be searched on google. For coding, software is needed, for the software needed is Visual Studio

Code or Notepad. If everything is complete and made as desired, computer specifications are also needed to support website creation, the specifications are:

Device	Information
Operating System	Windows 10
Processor	Intel® Core <sup>™</sup> i3-5005U CPU @2.00GHz 2.00GHz
Memory (RAM)	2GB or higher
System Type	64-bit OS ,x64-based processor

**Table 3.1 Computer Device Specification** 

For this reason, software is needed to create a website-based school information system, namely:

Software	Information
Web Server	Xampp Control Panel
Database	MySQL Workbench 8.0 CE
Programming	Visual Studio Code or Notepad
Design	Draw.IO
Website	Md5

 Table 3.2 Software requirements

#### 3.5 Design

The design of the information system at SMKN 2 Bandar Lampung applies the problem solving solutions that have been proposed in the system analysis. Software design is a multi-step process that focuses on software design including data structures, software architecture, interface representations, and coding procedures. This stage translates software requirements from the requirements analysis stage to the design representation so that it can be implemented into a

program at a later stage. The software design produced at this stage also needs to be documented.

The design of this information system is based on this case through three stages of, namely as follows:

- 1. ERD (Entity Relationship Diagram)
- 2. Logical Model Design
- 3. Physical Model Design

#### 3.5.1 ERD (Entity Relationship Diagram)

ERD (Entity Relationship Diagram) is a model to explain the relationship between data in the database based on basic data objects that have relationships between relationships. The design of this information system can be made using Entity Relationship Diagrams (ERD), can be seen in the following diagram :



**Figure 3.2 Entity Relation Diagram** 

#### 3.5.2 Logical Model Design

In this logical phase design, transaction processing is carried out from the conceptual schema that has been created in the previous phase. The results of this phase are referred to as logical schemas and are expressed in 48 logical data models that are described using the relational model. In this phase, several optimizations must be carried out on the operations to be carried out on the existing data. Techniques commonly used to perform normalization initiation optimization. The design of this information system can be made using Logical Model Design, can be seen in the following diagram :



Figure 3.3 Logical Model Design

#### **3.5.3 Physical Model Design**

Meanwhile, for the physical design phase, it must be ensured that the logical schema that was created in the previous phase is equipped with the necessary details for the physical implementation of the Database Management System DBMS that will be used. The result of this phase is referred to as the physical schema. This stage is more focused on the structural database in detail. Data storage and relationships in the database will be created at this stage. Not only structural and data relationships, but also pay attention to the integrity of the data that will be stored in the database. The design of this information system can be made using Physical Model Design, can be seen in the following diagram:



**Figure 3.4 Physical Model Design** 

### 3.6 Access System Interface For Library Members

### **3.6.1 Admin Interface**



Figure 3.5 Login Page Interface Design

USERNAME	👝 / Dashboard			
Dashboard Status <u>Pembayaran</u> SPP Upload <u>Jadwal</u>	Siswa TKJ     Siswa TKR     Siswa TGB     Siswa TL       Siswa TSP     Guru     admin.			
Pengumuman				
renguniuman				
List Data 🖧	Search 🗢			
List Kurikulum 🖒	Tanggal Judul Keterangan Menu			
Logout				

Figure 3.6 Admin Menu Design

### **3.6.2 Teacher Interface**



Figure 3.7 Login Page Interface Design

LOGO				
MENU	Menu			<u>Menu</u> / Home
Home				
Upload <u>nilai</u>	SELAMAT DATANG GURU			
Biodata guru				
Download jadwal	Pengumuman			
Logout	Tanggal	Judul	Keterangan	Action
				J

Figure 3.8 Teacher Menu Design

### 3.6.3 Students Interface



Figure 3.9 Login Page Interface Design

LOGO													
Menu	Menu	Ienu Dashbo											
Home													
<u>Biodata Siswa</u>	SELAMAT DATANG SISWA												
<u>Nilai Siswa</u>													
Jadwal Siswa	Pengumum	an											
Pengumuman	Tanggal	Judul	Keterangan	Action									
Status Pembayaran SPP													
Logout													

Figure 3.10 Student Menu Design

#### 3.7 Testing

After making a design with various diagrams and display interfaces that will be made on the website, testing will be carried out. This test requires a run that shows whether the program that we run or create can be connected or used successfully. and running is done using localhost/PHPMyadmin as shown in the image below :

#### 3.7.1 User Access Test Running

In this view the user will see the results of the test running at the time of accessing the user to login on the website. Of course when logging in the user requires a username and password. so that the password is not easily known, the admin uses the Md5 website as an alternative to password security. after filling in the data in PHPMyadmin, then the password is created in Md5, then login. Then it can be seen successfully accessing or not. and in this trial it was successful, which can be seen in the following image.

An example of this view is creating a column in the form of data in the admin table.



Figure 3.11 Admin Table View

Next, after filling in the data above, the password is created. an example of this display creating a password in Md5.

G translate - Penelusuran Google 🗙 🚱 MD5 - Online generator md5 ha: 🗙 🎪 localhost / 127.0.0.1 / school / a: 🗙 🕇	• - • •
← → C ▲ Not secure   md5.cz	🖈 🍈 Paused
function md5()	
Online generator <u>md5 hash</u> of a string	
md5(tia))	
hash darling, hash!	
md5 checksum:	
e7292d5ba58672ce7f6fc3c0b646ab63	
Implementations MD5:	
php manual function md5().   md5 in JavaScript   md5 in MySgl   md5 in MariaDB	
MD5 on Wikipedia.org	
	Activate Windows
	Go to Settings to activate Windows.
# 🔎 Type here to search 🛛 🛱 🚼 🔛 💽 🔞	Image: Image

Figure 3.12 Md5 Website View

Once done, users, whether admins, students, or teachers, can access their respective websites. type the username and password then if successful the user will be taken to the old website. Below is an example of a successful admin access display:



Figure 3.13 Admin Access View To Website

#### **3.7.2 Testing Upload Photos To Users**

In this view we can change, edit and add photos. After the admin uploads the photo, PHPmyadmin will automatically display the .jpg type used. Then the result is as follows :

phpMyAdmin	Server 127.0.0.1	» 🗊 Database: so	hool » 👿	Table: siswa							🔅 7	<u>,</u>			
Alle Cale	🗉 Browse 🥻 Str	ucture [ SQ	L 🔍 S	earch 📑	Insert 🔜 Export	🔒 Import 🛛 💻	Privileges	🥜 Opera	tions 💿 Tr	acking 🏼 🏁 Tri	ggers				
cent Favorites															
ecent Pavorites		(5 total, Query tool	c 0.0041 se	econds.)											
New 🔺	A <u>SELECT</u> * FROH `siswa`														
akademik	Sector TROIT STAR														
🗊 database akademik	Profiling [ Edit inline]	] [ Edit ] [ Explain S	QL][Crea	ate PHP code	] [ Refresh ]										
db_akademik	-														
information_schema	Show all Num	aber of rows: 25	~	Filter rows:	Search this table	Sort by key:	None		~						
mysql performance_schema	+ Options														
phpmyadmin	+T→	▼ id_sis	wa id_ke	las nisn	password		nama_siswa	kota	tanggal_lahir	jenis_kelamin	no_telp				
school	🗌 🥜 Edit 📲 Copy	Delete 121	4	1811060	001 8388535e100dccd4fe0	de5bd9e538ae4	galang tap	Bandar Lampung	2000-06-24	Laki-laki	0812870	)0			
	🔲 🥔 Edit 👫 Copy	Delete 122	13	1401254	9bd3e6bf8599bc2f31f3	f22a16725059	Melisa	Bandar Lampung	2000-08-24	Perempuan	0812567	78			
Ð ∰r bulan Ð ∰r guru	🗌 🥜 Edit 🕌 Copy	Delete 123	19	1911068	031 819c56ee5d7985a1be	9235ed2c4cd9f8	Diimas Setya	Bandar Lampung	2000-06-10	Laki-laki	0812870	)5			
+ 🦌 jadwal	🗌 🥜 Edit 😼 Copy	G Delete 124	22	1311068	031 8c1d1cbaf9304236acd	11213f836e8e8b	Khoirun Khafidz	Bandar Lampung	1999-05-20	Laki-laki	0853875	53			
Fryn jurusan Fryn kelas Fryn mapel	🗌 🥜 Edit 📲 Copy	Delete 127	25	1411068	001 6b476329e54373d57f2	2c0ca30c8e165d	Rama Ramadani	Bandar Lampung	1999-08-11	Laki-laki	0853875	53			
t ilai t ilai t i pengumuman	↑ Check all	With selected:	🥜 Edit	<b>≣</b> ∎ Copy	😑 Delete 🛛 🔜 Exp	ort									
+ y semester + y siswa	Show all   Num	aber of rows: 25	*	Filter rows:	Search this table	Sort by key:	None		~						
Fi∕r spp Fi∕r tahun_ajaran	Query results operati	ons							Activate \ Go to Settin	Windows <del>3s to activate W</del>	indows.				

Figure 3.14 Student Table View

The display on the student's website shows that it was successful in uploading the photo.

N 2 BDL												·	-	Menu				Dahboerd R	one
Username • MELINA	No	Non	Name Sova	Tanggal Lahir	Jenis Kalamin	Kelas	Junusan	100	Alamat	No Telepon	foto	Menu	۰		Biodata	Siswa			
	1	1811062001	galang tap	2000-06-24	Laterate	12 TKJ	τις	Dandar Lampung	JL. Jigibiya 2	081287000723		2	*		Diodata	onoria			
bacdrie											67.5								
alus Pembayaran Spp	2	1421254	Meltsa	2000-08-24	Perempaan	12 TKR	TKR	Dandar Lampung	A. purnextexes	081255780124	0	2	œ	C Biosteta					
lewbell bec											6 i -		۵	-	NIS		1401254		
muman	8	1911066031	Diimas Setya	2000-06-10	Lakitaki	12 T08	T08	Bandar Lampung	jalan swadaya	081287054321	1	2	*		Nama		Melisa		
bata 🔸														25.8	Tempat, Tanggal Lahir		Eandar Lampung . 2000-08-24		
Kurikulum 🔸	4	1311068031	X2xxitum X2xxifidz	1999-05-20	Lato-tate	12 TL	π.	Dandar Lampung	jalas, untung suropali	005307532175	-	2			Kota Asal		Bandar Lampung		
a internet											1			130 731 20	Jenis Kelamin		Perempuan		
	6	1411068001	Rama Ramadani	1999-06-11	Lakitaki	12 TSP	TSP	Bandar Lampung	jalas, untung suropati	085387532176		2			Alamat		/L. pumawirawan		
														100000000000000000000000000000000000000	No Telfon		081258780124 Activate		

Figure 3.15 Display The Results Of Uploading Photos

#### 3.7.3 Test Download Schedule

In this view is an example of testing to download the schedule from each user and the following is a dowload display of the teacher's schedule.

→ C ③ localhost/phpn		used
phpMyAdmin		\$ ⊼
<u>∧ ≣ 9</u> 0 0 0 0	🔄 Browse 📝 Structure 📄 SQL 🔍 Search 💱 Insert 🚍 Export 🚍 Import 🖭 Privileges 🥜 Operations 👁 Tracking 🚥 Triggers	
Favorites	✓ Showing rows 0 - 4 (5 total, Query took 0.0029 seconds.)	
New A	SELECT * FROM `jadwal`	
iii akademik		
🗊 database akademik	Profiling [Edit I] [Edit ] [Explain SQL] [Create PHP code ] [Refresh]	
db_akademik	Show all Number of rows: 25 V Filter rows: Search this table Sort by key: None V	
information_schema	Show all Number of rows: 25 V Filter rows: Search this table Sort by key: None V	
mysql	+ Options	
performance_schema phpmyadmin	←T→ ▼ id_jadwal id_jurusan jadwal nama_jadwal	
school	□ 🖉 Edit Pré Copy 😑 Delete 1 1 Jadwal_TKJ.pdf Jadwal TKJ	
	☐	
E Madmin	∠ Edit ≩ié Copy 😋 Delete 3 3 Jadwal TGB.pdf Jadwal TGB	
	□ 2 Edit 3 i Copy ⊖ Delete 4 4 Jadwal TLpdf Jadwal TL	
🖓 guru		
🕂 📝 jadwal	□ 2 Celt 3 Copy Opelete 5 5 Jadwal_TSP.pdf Jadwal TSP	
🕂 🛃 jurusan	↑ Check all With selected: 🖉 Edit 🐺 Copy 😝 Delete 🔤 Export	
🕂 📝 kelas	T Check all With selected: ⊘Edit ≨≟ Copy ⊚ Delete ⊒Export	
€-1∕4 mapel	Show all Number of rows: 25 V Filter rows: Search this table Sort by key: None V	
0-1/1 nilai		
E 🛃 pengumuman	Query results operations	
- M semester	duely results operations	
🕂 📝 siswa	🚔 Print 💈 Copy to clipboard 🚔 Export 🚮 Display chart 🛐 Create view Activate Windows	
spp	Go to Settings to activate Window	vs.
🗄 📝 tahun_ajaran	Console mark this SQL query	

Figure 3.16 Schedule Table View

The display on the teacher's website shows that in the download the schedule has been successfully downloaded.

G	trans	slate - Penelusuran Google	×   🕲 MD5 -	Online generator mo	d5 has 🗙 🗍	🙏 localhost	/ 127.0.0.1 /	′ school / ja⊂ 🗙	SMKN 2 BANDAR LAMPU	ING ×	+		0	- 0	×
←	$\rightarrow$	C () localhost/sch	iool/guru/jadwal										☆	Paused	):
		🚯 SMKN 2 BDL													
				Menu									Menu	/ Jadwal	
ជ	1	Home													
		Upload Nilai						I	Download Jad	wal					
٤		Biodata Guru							Download Jadwal						
C	)	Download Jadwal													
C		Logout										Activate Wir Go to Settings to	ndows	Windows	
		as10 (5).pdf			-			-							_
	2	O Type here to search		<b>H</b> i		<b>W</b>	<b>O</b>	8					× 6. 9	23:05 21/09/2021	5

Figure 3.17 Teacher Webiste View Download Schedule

#### **3.8 Implementation**

This implementation was made after testing, which I use md5 security for this implementation. Md5 is to create a hidden password that can directly connect to localhost. By typing the desired password, then clicking hash darling, a code will appear, the code is entered into localhost PHPMyadmin. From this statement, it can be seen in the following figure:



MD5 on Wikipedia.org

#### Figure 3.18 Md5 Website Interface Display

### CHAPTER IV RESULT AND DISCUSSION

#### 4.1 Result

figure:

In the discussion of the results of making this application, it is explained in the form of a program display that has been run. The explanation of the function of each menu contained in the display of this website is can be seen in the following

#### 🚺 (18) WhatsApp 🛛 🗙 🔛 Dahsboard 🗴 🔲 Pemutakhiran Data Bol 🗴 | 🚱 IIB Darmajaya - Portal 🗙 | 🖪 SMAN 4 MACIPO 🛛 🗙 | 🌀 translate - Penelusura: 🗙 | 🕂 • ø $\times$ → C ① localhost/school/admin ☆ 💿 Pa SMKN 2 BDL SMKN 2 BDL Username 9 P B Dashboard 1 1 1 1 D Status Pembayaran Spp 1 Upload Jadwal **2**28 50 3 Pengumuman 1 1 🚑 List Data + 🚑 List Kurikulum ර Logout S 🗉 🏭 -Search Melina\_191106801....pdf 101 Ħ 💼 🐂 📀 💌 🖾 🥥 Type here to search 25°C Cerah ∧ ⊄× // ♥⊃ 22:08 07/09/2021 **P**2

Figure 4.1 Admin Menu View

The results of the school information system website above are the main admin page display.

0 (18)	WhatsAp: 🗙	SMKN 2 BANC ×	🔝 Pemutakhiran 🗙 🛛 🧟	IIB Darmajaya 🗙   🖪 SM	AN 4 MAC 🗙 📔 G translate - Per 🗙 🛛 🚜 Tor	alhost / 12 🗙 🛛 G md55 - Penel: 🗙 📔 🕂	•	- 0			
$\rightarrow$	C 🛈 loc	alhost/school/guru				07	©≊ ☆	Paused			
1	n smkn	2 BDL 🧲									
			Menu				Menu	/ Home			
ଳ											
÷	Upload Nilai	i			Selamat Datan	a Guru					
ደ	Biodata Gun	u			Sciamat Datan	gouru					
B	Download Ja	adwal									
Ð	Logout		Pengumuman								
			Tanggal	Judul	Keterangan		Action				
			2019-04-08	Ujian Nasional	Ujian nasional berbasis komputer	SMKN 2 Bandar Lampung		-			
а м	elina_191106801.	pdf ^						Show all			
	C Type here t	to search	EH:	💼 📻 📀 🕚	• 🖼 🛹	🌙 25°C Cerah \land	1× /1 97	22:11	4		

Figure 4.2 Teacher Menu View

The results of the school information system website above are the teacher's main page display.

۵	(18) V	WhatsApp X	SMKN 2 BANDAR		Pemutakhir	an Data Bei 🗙	:   🕲 IIB	8 Darmaja	iya - Portal	×   B s	SMAN 4 M	ACIPO	×   G	translate ·	Penelusur	ar ×	+	•	-	ð	×
←	$\rightarrow$	C i localho:	st/school/siswa/index															☆		Paused	:
MI		n SMKN 2E	BDL 😑	Q 🌘 Menu	<mark>6</mark> 🚽												[	Dashboa	rd / H	ome	
ଜ ደ		Home Biodata siswa		Selamat Datang Siswa																	
Φ		Nilai Siswa																			
ш Д		Jadwal Siswa Pengumuman		Pengumuman																	
\$		Status Pembayar	ran Spp	Tang	gal	Judul	Judul			Keterangan									tion		
		Logout		2019	-04-08	Ujian N	asional	1	Ujian nasi	onal ber	basis ko	mputer S	SMKN 2	Bandar I	ampung	9			=		
ø	Meli	ina_191106801pdf	~																Sh	now all	×
	,c	• Type here to se	arch		H 🖬	. 📻	0	W	8	1					2) 2	25°C Cer	ah ^	d× <i>(</i> , ¶⊡	22:	06 /2021	2

#### Figure 4.3 Student Menu View

The results of the school information system website above are the student's main page display.

#### **4.2 Discussion**

Information systems are a combination of information technology and the activities of people who use that technology to support operations and management. In a very broad sense, the term information system is often used to refer to the interactions between people, algorithmic processes, data, and technology.

This school information system uses a website which can be accessed by admins, teachers and students. From the results of the discussion, the display menu on the three accesses can be used :
Figure 4.4 This is the main page of the school information system website for SMKN 2 Bandar Lampung. Login in this view can only be accessed by students and teachers while for admin it is separate by adding (/admin) when typing localhost in google.



**Figure 4.4 Main Page View** 

### 4.2.1 Admin Interface

Figure 4.5 is the first intro display that appears on the screen with the admin login menu which then the user will be redirected automatically with a waiting time of seconds to go to the next page, this display only displays the username or email and password login menu.

(18) WhatsApp × El Login Admin	x localhost / 127.0.0.1 / school / ac 🗙   G transl	ate - Penelusuran Google 🛛 🗙 📔 🕂	o – ø ×
← → C ① localhost/school/loginadmin			🕶 🕁 🍈 Paused 🗄
		JR	
	admin@email.com		
	Password		
	1.8330010		
	LOGIN		
	😤 Dashboard		
Type here to search	# 💼 📻 💿 唑 🖾 🥥	25	5*C Cerah ∧ ⊄× // 10 07/09/2021

Figure 4.5 Menu Login Admin

Figure 4.6 In this view, the admin can see a dashboard that contains : The number of TKJ students, TGB students, TKR students, TL students, and TSP students. Then at the bottom there is an announcement entered by the admin.



Figure 4.6 Website Dashboard Interface For Admin

Figure 4.7 In this view, the admin can view, edit, delete, and add the SPP List consisting of students.

(18) WhatsApp	× 🔀	Dahsboard	🗙 🙀 locali	ost / 127.0.0.1 / school / ad 🗙	G translat	e - Penelusuran G	ioogle ×   +		•	- 0	1
$\leftrightarrow$ $\rightarrow$ C (i) localhost/sc	hool/admi	in/daftarsiswaspp							☆	Paus	ed
SMKN 2 BDL											
Username	<b>†</b> /	Pembayaran SPP									
Dashboard		Daftar Spp Si	swa								
🛛 Status Pembayaran Spp		Tambah Data Spp	Via Exce Tambah Data	Spp Edit Spp				Search	S	II III.	•
Upload Jadwal		No NISN	Nama Siswa	Jenis Kelamin	Kelas	Bulan	Semester	Tahun Ajaran	Status	s Spp	
Pengumuman			-		-	-		-			
🕂 List Data 🕂	5	Showing 1 to 1 of 1	rows 10 . records pe	er page				<<	< 1	> >>	~
🛊 List Kurikulum 🛛 🕂											
D Logout											
Type here to search			H 🔒 🥫	o 💌 😫 🥥				🌙 26°C Cerah \land	Q× (6.9	23:07	

Figure 4.7 Website List SPP of Students Interface For Admin

Figure 4.8 In this view, admins can view, edit, delete, and add schedule names, select majors, and then input schedule data files available at every department. The menu display below shows the input results above.

(18) WhatsApp	× 😥 🛛	ahsboard		× 🚲 localhost	/ 127.0.0.1 / school / ad 🗙 📔 G	translate - Penel	usuran Google	×   +	0	- 0
ightarrow $ ightarrow$ $ ig$	school/admin,	/uploadjac	Iwal						■ ☆	Paused
SMKN 2 BDL										
	Ja	dwal	Pelaja	ran						
Username • MELINA		Jpload	Jadwal							
B Dashboard		Nama								
🖸 Status Pembayaran Spp		Nan	na Jadwal							
L Upload Jadwal		Jurus								
Pengumuman		Jadwa			~					
👍 List Data	e i	Choo	ose File No fil	e chosen	P	osting	Cancel			
List Kurikulum	F I				Search	2	∎			
ይ Logout		No	Jurusan	Judul	Jadwal	Menu				
		1	ткј	Jadwal TKJ	Jadwal_TKJ.pdf					
		2	TKR	Jadwal TKR	Jadwal_TKR.pdf					
		~	700							

Figure 4.8 Website Lesson Timetable Interface For Admin

Figure 4.9 In this view the admin can add announcements available on dashboards.

(18) WhatsApp ×	😫 Dahsboard	🗙 🔐 localhost / 127.0.0.1 / school / ad 🗴   🔓 translate - Penelusuran Google 🔹   🕂	0	- 0	×
$\leftrightarrow$ $\rightarrow$ C (i) localhost/school	l/admin/pengumuman		☆	Paused	) :
SMKN 2 BDL					
	🐐 / Pengumuman				
鍲 Dashboard	Pengumu	man			
Status Pembayaran Spp	Tulis Pengumu	man 🖸			
📩 Upload Jadwal	Judul	Judul Penguuman			
! Pengumuman	Tanggal	dd/mm/yyyy			
🛃 List Data 🕂	Keterangan :	Masukan Isi Pengumuman			
🛃 List Kurikulum 🕂					
එ Logout	Foto Choose File No file	chosen Posting Cancel			
Type here to search	Ĭ	🗄 📜 💽 💹 🌖 🕹 🌙 26°C Cerah 🔨 4×	<i>(i</i> . †D	23:09 07/09/2021	2

Figure 4.9 Website Announcement Interface For Admin

Figure 4.10 In this view, admins can view, delete, edit and add teacher data.

Dahsboard X	🙀 loca	lhost / 127.0.0.1 /	school / ad 🗙 📔 G tran	nslate - Penelusurar	Google × +				(	- (	ø
<ul> <li>         → C          <ul> <li>Iocalhost/school/a</li> </ul> </li> </ul>	idmin/lis	tguru							<b>3</b> 2	*	Paused
MKN 2 BDL											
Username	/ List (	Guru									
	Da	ftar G	iuru								
Dashboard	Du		ara								
Status Pembayaran Spp	Dat										
Upload Jadwal		_									
	Tan	nbah Guru									
Pengumuman								Search	C	≣	III •
List Data +	No	Nig	Nama	Tanggal Lahir	Kota Asal	Jenis Kelamin	Alamat	No Telepon	Foto	Menu	
List Kurikulum +	1	1911068019	Nasril Ahmad	2000-05-01	Bandar lampung	Laki-laki	Perumahan Indah	081234762703	12		
							CIE	001234702703	-	<i></i>	
			S,Kom				C/5	001234702703		0	
Logout	2	1911068023	S,Kom Qorri Indah M.Ti	2001-07-20	Bandar	Perempuan	C/5 jalan angkasa	089678904532	<b>Q</b>		
	2	1911068023		2001-07-20	Bandar Lampung	Perempuan			E Tage		
	2 3	1911068023		2001-07-20 2000-07-20		Perempuan			Read and a second secon		

Figure 4.10 Website Teacher Data Interface For Admin

	_	_				_	_	_			_	
MKN 2 BDL												
	Data	a Siswa										
-	Тап	nbah Siswa										
Dashboard									Search		C I	■ Ⅲ-
Status Pembayaran	No	Nisn	Nama Siswa	Tanggal Lahir	Jenis Kelamin	Kelas	Jurusan	Kota	Alamat	No Telepon	foto	Menu
pp , Upload Jadwal	1	1811060001	galang tap	2000-06-24	Laki-laki	12 TKJ	TKJ	Bandar Lampung	JL. jagabaya 2	081287000723		
Pengumuman												
List Data +	2	1401254	Melisa	2000-08-24	Perempuan	12 TKR	TKR	Bandar Lampung	JL. purnawirawan	081256780124	(P)	
→ List Data Guru											合曲时	-
List Data Siswa	3	1911068031	Diimas Setya	2000-06-10	Laki-laki	12 TGB	TGB	Bandar Lampung	jalan. swadaya	081287054321	SE.	
➔ List Data Pegawai											AV 1	
🖶 List Kurikulum 🕂	4	1311068031	Khoirun	1999-05-20	Laki-laki	12 TL	TL	Bandar	jalan. untung	085387532176		
Logout			Khafidz					Lampung	suropati			<b>1</b>

Figure 4.11 In this view, admins can view, delete, edit and add students data.

Figure 4.11 Website Students Data Interface For Admin

Figure 4.12 In this view,	admins can view	delete. edit	and add employee list.
		,,	

Dahsboard	× 🎎 localhost / 127	0.0.1 / school / ad 🗙 📔 G translate - Penelusuran Google	×   ③ MD5 - Online generator md5 h	ss ×   +	• - • ×
← → C ③ localhost/set	hool/admin/listpegawai				🖈 🍈 Paused
SMKN 2 BDL					
Username	List Pegawai				
•	Daftar	Pegawai			
8 Dashboard	Balta	- oganai			
Status Pembayaran	Data Peg				
Spp L Upload Jadwal	Tambah Peg	jawai			
Pengumuman				Search	₿ Щ.
🛃 List Data 🛛 🕂	No	Username	Foto	Menu	
<ul> <li>→ List Data Guru</li> <li>→ List Data Siswa</li> </ul>	1	Qorri Indah M.Ti	Ste Proge		
List Data Pegawai	Showing 1 to 1	I of 1 rows 10 + records per page			<< < 1 > >>
🛃 List Kurikulum 🕂	Showing 1 to	i or i rows 10 × records per page			
b Logout alhost/school/admin/listpegawai					
P Type here to search		H 🔒 🔒 💽 🕅	2	🌙 26°C Cerah	^ d× @ № 07/09/2021

Figure 4.12 Website List Employee Interface For Admin

Figure 4.13 In this view the admin can view, delete , edit and add to the list of classes available in the curriculum list.

-	x localhost / 12/J	u.u.i / school / ac X G translate -	Penelusuran Google 🗙 🛛 🞯 MD5 - Online	generator map nas 🛪   🕇	v v	- 🗗
SMKN 2 BDL		eido			2	
Username • MELINA	Tambah Ke	elas				
				Search	S 🗉	<b>III</b> •
Dashboard	No	Jurusan	Nama Kelas	Menu		
9 Status Pembayaran op Upload Jadwal	1	ТКЈ	10 TKJ			
	2	ТКЈ	11 TKJ			
Pengumuman	3	ТКЈ	12 TKJ			
List Data +	4	TKR	10 TKR			
List Kurikulum +						
→ List Kelas	5	TKR	11 TKR	Image: A state of the state		
➔ List Jurusan	6	TKR	12 TKR			
List Mapel	7	TGB	10 TGB			
➔ List Tahun	8	TGB	11 TGB			
lhost/school/admin/listkelas -		# 🔒 📊 💽	W 🔀 🥥		Cerah ^ ʧ× 🎪 🛍	22.40

Figure 4.13 Website List Class Interface For Admin

Figure 4.14 In this view the admin can view, delete, edit and add to the list of majors available in the curriculum list.

😫 Dahsboard	× 🕼 localhost / 127.0.0.1	/ school / ad 🗙 🛛 G translate - Penelusuran Google 🛛 🗙 🛛 MD5 - Or	aline generator md5 has 🗙 📔 🕇	o – D
← → C () localhost/scl	nool/admin/listjurusan			🖈 🍈 Paused
SMKN 2 BDL				
A				
	Kurikulu	Im		
Dashboard				
Dashbuaru	Daftar Juru	san		
Status Pembayaran				
op , Upload Jadwal	Tambah Jurusa	in		
Pengumuman			Search	9 🗉 III-
engumuman	No	Nama Jurusan	Menu	
List Data +	1	ТКЈ		
List Kurikulum +				
➔ List Kelas	2	TKR		
➔ List Jurusan	3	TGB		
➔ List Mapel	4	TL		
➔ List Tahun				
host/school/admin/listjurusan	5	TSP		
				Cerah ∧ ⊄× // ♥□ 23:20 07/09/2021

Figure 4.14 Website List Majors Interface For Admin

Figure 4.15 In this view the admin can view, delete, edit and add to the list of mapels available in the curriculum list.

Dahsboard	× 🖟 localhost / 127.0.0.1	/ school / ad 🗙 📔 G translate - Penelusuran Google	x SMD5 - Online generator md5 has x	+	0	- 0	×
$\leftrightarrow$ $\rightarrow$ C (i) localhost/s	school/admin/listmapel				☆	Paus	ed :
SMKN 2 BDL							Î
MELINA • MELINA	<sup>ˆ</sup> Kurikulι	Im					
B Dashboard	Daftar Map	el					
Status Pembayaran							· .
Spp 1 Upload Jadwal	Tambah Mapel			Search	C 🗉	<b></b> •	
Pengumuman	No	Nama Mapel		Menu			
🛃 List Data 🕇	1	Agama Islam					
🛃 List Kurikulum 🕂	2	Computer network					
➔ List Kelas	3	matematika					
➔ List Jurusan							
List Mapel	4	Fisika					
→ List Tahun	5	Kerja proyek		2			
ර් Logout	6	pemrograman dasar					Ţ
Type here to search	ch	# 🔒 🐂 💿 💌 🖾	-	🌙 26°C Cerah 🤞	∧ d× @ ₹	23:22 07/09/202	1 1

Figure 4.15 Website List Mapels Interface For Admin

Figure 4.16 In this view the admin can view, delete, edit and add to the school year list available in the curriculum list.

😫 Dahsboard	× 🖟 localhost / 127.0.0.1	/ school / ad 🗙 🛛 🔓 translate - Penelusuran Google 🛛 🗙 🛛 🚱 MDS	i - Online generator md5 has 🗙 📔 🕂	o – ø
- > C (i) localhost/sci	hool/admin/listtahun			🖈 🍈 Paused
MKN 2 BDL				
MELINA 4				
	👫 / Kurikulum			
Dashboard				
	Kurikulu	Im		
Status Pembayaran	rtantat			
pp Upload Jadwal	Daftar Tahi	un Alioron		
	Danai Tani	Лідіан		
Pengumuman	Tambah Tahur			
+ List Data +			Search	C 🗉 🏭 -
+ List Kurikulum +			oddon	
	No	Tahun Ajaran	Menu	
→ List Kelas	1	2019		
➔ List Jurusan	2	2020		
➔ List Mapel	2	2020		
List Tahun	3	2021		
) Logout				
alhost/school/admin/listtahun	Showing 1 to 3 o	of 3 rows 10 - records per page		<< < 1 > >>
P Type here to search		🖽 🔒 🐂 📀 💌 🖾 🥥	2010	Cerah ∧ 4× // ♀ 23:22

Figure 4.16 Website School Year List Interface For Admin

#### 4.2.2 Teacher Interface

Figure 4.17 This is the first intro display that appears on the screen with the teacher login menu, then the user will be directed automatically with a second waiting time to enter the next page, this display only displays the master number and password for the login menu.

<b>S</b>	MKN 2 BANDAR LAMPUNG	5 ×   🙀 localhost / 127.0.0.1	school / g: 🗙 🔯 Login Guru	×	MD5 - Online gener	rator md5 has 🗙	+	0	- 0	×
<del>(</del>	C () localhos	t/school/loginguru						<b>07</b> Å	Paused	) :
				DGIN G	URU					
						_				
			Nomor Induk Guru							
			(			5				
			Cum			2				
				LOGIN						
				~						
				A Dashboard						
			2							
		irch	🛱 💼 🐹 🌍	8	-		ঠ 26°C Berawan	^ d× 🧟 🖭	20:56 14/09/2021	2

Figure 4.17 Website Login Interface For Teacher

Figure 4.18 In this view, the teacher can see the dashboard display and announcements that can be clicked on the blue box menu so that it displays the display section on the initial menu of this website.

G tra	nslate - Penelusuran Google 🛛 🗙	SMKN 2 BANDAR LAMPUN	G 🗙 🎎 localhost / 127.0.0	0.1 / school / go 🗙 📔 🔕 MD5 - Online generator md5 has 🗴 📔 🕂	• - • ×
$\leftrightarrow$ $\rightarrow$	C () localhost/school/	guru/index			🕸 😭 💼 Paused 🗄
	nsmkn 2 BDL				
MEN		Menu			Menu / Home
ធ	Home				
	Upload Nilai			Selamat Datang Guru	
ዾ	Biodata Guru				
D	Download Jadwal				
Ø	Logout	Pengumuma	n		
		Tanggal	Judul	Keterangan	Action
		2019-04-08	Ujian Nasional	Ujian nasional berbasis komputer SMKN 2 Bandar Lampung	
4	${\cal P}$ Type here to search	Ei	💼 📻 💌 🄇	29°C Sebagi	ian cerah ∧ ⊄× 🧟 💬 17:32

Figure 4.18 Website Dashboard Interface For Teacher

This view is the display after clicking on the menu on the dashboard menu.



Figure 4.19 Website Announcement Interface For Teacher

G tra	nslate - Penelusuran Google 🗙 🥃	SMKN 2 BANDAR LAMPUNG	X Incalhost / 127.0.0.1 / school	ol / gu 🗙 🚯 MD5 - Online generator md5 has 🗴 🕂	<b>o</b> – o >
< →					🔤 🛧 🍘 Paused ) :
	SMKN 2 BDL				
MEN		Menu			Menu / Upload Nilai
ጨ	Home	Silahkan U	Jpload Nilai		
	Upload Nilai		-		Download Format .XLSX
ዶ	Biodata Guru	Choose file		Browse	Import
D	Download Jadwal				
	Logout				
4		≓i	🔒 🐂 🖭 📀 📴	29	°C Sebagian cerah ∧ ⊄× 🧟 🖬 17:36

Figure 4.20 In this view, teachers can search, view, and add grades for their students.

Figure 4.20 Website Uploading Value Interface For Teacher

Figure 4.21 In this view the teacher can see the teacher's biodata.

🕄 SM	KN 2 BANDAR LAMPUNG 🗙   🎎 localho	st / 127.0.0.1 / school 🛛 🗙 🔕 SMKN 2	BANDAR LAMPUNG × S MD5 - Online generator md5	× G translate	Penelusuran Goog 🗙 📔 🕇	<b>o</b> –	٥	$\times$
$\leftrightarrow$ $\rightarrow$	C () localhost/school/guru/bio	data				\$2 ☆	Paused	:
								_ '
MENU	ı	Menu				Menu / Bioda	ta	
命	Home							
	Upload Nilai		Biodata Gu	iru				
ዾ	Biodata Guru							
D	Download Jadwal							
	Logout		NIG	:	1911068020			
			Nama	:	Nasril Ahmad S,Kom			
			Tempat, Tanggal Lahir	:	2000-05-01			
		No Image	Kota Asal	:	Bandar lampung			
			Jenis Kelamin	:	Laki-laki			
			Alamat	:	Perumahan Indah C/5			
			No Telfon	:	081234762703			
4	₽ Type here to search	Hi 💼 🧮	💌 📀 🖾 🗶 🥥		👌 26°C Berawan	^ q× @ 9⊐ 14/0	1:09 9/2021	2

Figure 4.21 Website Teacher Bio Interface For Teacher

SMI SMI	KN 2 BANDAR LAMPUNG 🗙 🛛 🞎 localhost	t / 127.0.0.1 / school 🛛 🗙	SMKN 2 B	ANDAR LAMPUNG	× 🕲 MD	5 - Online generator md5	× G translate - Pe	nelusuran Goog 🗙 📔 -	+ 0	- 0	×
$\leftrightarrow$ $\rightarrow$	C () localhost/school/guru/jadw	val							☆	Paused	):
(	🔊 SMKN 2 BDL 😑										
MENU	L	Menu							Menu	/ Jadwal	
	Home										
+	Upload Nilai				0	ownload J					
ደ	Biodata Guru					Download Jad	wal				
D	Download Jadwal										
Φ	Logout										
	chool/index.php/downloadjadwal/lakukan_dow					-				21:09	_
4,		Ħ	🖻 📒	<u> </u>	8 🗵	-		🁌 26°C Berawa	n ^ q× // 🦉	14/09/2021	2

Figure 4.22 In this view, the teacher can view and download the teacher's schedule.

Figure 4.22 Website Download Schedule Interface For Teacher

### 4.2.3 Students Interface

This is an sexample of a student website display from several students at SMKN 2 Bandar Lampung, so the following is an example.

Figure 4.23 In this view, members can input their NISN and password to login to the website.



Picture 4.23 Website Login Interface For Students

Figure 4.24 In this view, namely the dashboard display of the student website which looks the same as the teacher dashboard display at the bottom is the announcement.

🙀 loca	alhost / 127.0.0.1 / school 🛛 🗙 SMKN 2 BA	ANDAR LAMPUNG ×	MD5 - Online generator md5	5 🗴 📔 G 🛛 translate - Penelusuran Goog 🗙 📔 🚹 HAL DEPAN, BAB I, DAFPUS 🛛 🗙 🃋 🕂	o – o ×
$\leftrightarrow$ $\rightarrow$	C () localhost/school/siswa/index				🖈 🍈 Paused 🗄
MENU		Q <b>≰<sup>6</sup> ⊠<sup>9</sup></b> Menu			Dashboard / Home
<u>ଜ</u> ዶ	Home Biodata siswa			Selamat Datang Siswa	
m	Nilai Siswa				
₽	Jadwal Siswa	Pengumuman			
	Pengumuman	_			
\$	Status Pembayaran Spp	Tanggal	Judul	Keterangan	Action
	Logout	2019-04-08	Ujian Nasional	Ujian nasional berbasis komputer SMKN 2 Bandar Lampung	
4	₽ Type here to search	🖽 📑	i 🖬 🚾 📀	🔀 🥥 🌙 25°C Cerah	^ q× @ ₽□ 22:25

Figure 4.24 Website Dashboard Interface For Students



Figure 4.25 In this view the students can see the students biodata.

Picture 4.25 Website Student Bio Interface For Students

uk I	ocalł	host / 127.0.0.1 / school 🛛 🗙 🧯	SMKN 2 BA	NDAR LAMP	PUNG × S MD5	- Online ger	nerator md5 🗙	G transla	te - Penelus	uran Googi 🗙	HAL DEPAI	N, BAB I, DAFPU	is □ ×   +	(	0	- 0	×
~	÷	C () localhost/school/	/siswa/nilai											<b>G</b> y	☆	Paus	ed :
ME		SMKN 2BDL		Q 🔒 Menu	€ ⊴9									Dash	boar	d / Hom	e
<u>ଜ</u> ደ		Home Biodata siswa	-						Nila	i Siswa	a						
Φ		Nilai Siswa															
		Jadwal Siswa		Kelas 1	2 TKR												
۵ \$		Pengumuman Status Pembayaran Spp		No	Mata Pelajarar	N	lama Pengaja	ir (	UAS								
		Logout															
	۶	D Type here to search			Ħ 💼 🛛	W	<b>O</b> 🖂					2	25°C Cerah	~ d× ,	<i>(</i> , 10	22:26 14/09/202	1

Figure 4.26 In this display students can see the value entered by the teacher.

Figure 4.26 Website Student Scores Interface For Students

🙏 loca	alhost / 127.0.0.1 / school 🛛 🗙 SMKN 2 B	ANDAR LAMPUN	s × 📀	MD5 - Onlin	e generator r	md5 ×   (	🔓 transla	ite - Penelusuran Goog	×   🗅 HALE	DEPAN, BAB I,	DAFPUS D 🗙	+	0	- 0	×
$\leftarrow \rightarrow$	C 🛈 localhost/school/siswa/jadwa	al											■ ☆	Pause	a) :
	👚 SMKN 2BDL 📑	Q 🔎 Menu	2										Dashboa	rd / Home	•
MENU	L														
奋	Home														
ዶ	Biodata siswa							Lihat Jady							
m	Nilai Siswa														
œ	Jadwal Siswa														
۵	Pengumuman														
\$	Status Pembayaran Spp														
Q	Logout														
		ļ	# 💼	-	<b>W</b> (		-				🌙 25°C C	erah 🔨	d× @ ₽	22:26 14/09/2021	2

Figure 4.27 In this view students can see the schedule of each student.

Figure 4.27 Website Student Schedule Interface For Students



Figure 4.28 In this view, students can see the announcements announced by the admin.

Figure 4.28 Website Announcements Interface For Students

Figure 4.29 In this view, students can see the status of each student's tuition payment.



Figure 4.29 Website SPP Payment Status Interface For Students

# CHAPTER V CLOSINGS

## **5.1 Conclusion**

Based on the results of research conducted on the school information system database using the web, it can be said:

- Information systems are a combination of information technology and the activities of people who use that technology to support operations and management. A school is an institution for students teaching students under the supervision of a teacher.
- 2. School is an important education for parents for their children, so many people are looking for school information through any media. In modern times, people want practical information, online information systems such as information systems via the web are what people need today.
- 3. This project is a system created with a database model using PHP/MYSQL that records a school's data and can be accessed by the public. Of course the data is stored very securely by the admin.

#### 5.2 Suggestion

The suggestions obtained are as follows:

- 1. It is hoped that this research can be a new breakthrough for students so that they can make this research even better.
- 2. It is hoped that this project can be accepted by the community so that it can be used by the community as well as possible.

#### REFERENCES

- Araújo F. (2013). No 主観的健康感を中心とした在宅高齢者における 健康関連 指標に関する共分散構造分析Title.
- Habiby, A. I., & Yamasari, Y. (2017). SISTEM INFORMASI SEKOLAH BERBASIS WEB (Studi Kasus : TK Kusuma Putra Kota Mojokerto). Jurnal Manajemen Informatika, 7(2), 94–100.
- Luthfi Suryawan, P. (2011). SISTEM INFORMASI AKADEMIK BERBASIS WEBSITE DI MTs NEGERI MODEL PARAKAN. 100. http://eprints.uny.ac.id/31538/1/Pradana Luthfi Suryawan 07520244039.pdf
- SUCI, W. (2020). Pengaruh Media Pembelajaran Terhadap Hasil Belajar Al- Islam Di Sma Muhammadiyah 1 Gisting Kabupaten Tanggamus. *Pendidikan Agama Islam*, Hlm 13-1

## ATTACHMENT



1. Database Technology Course

Figure 1. Documentation while learning Database Technology



Figure 2. Documentation while learning Database Technology



Figure 3. Documentation while learning Database Technology

# 2. Computer Network Course



Figure 4. Documentation while learning Computer Network



Figure 5. Documentation while learning Computer Network



Figure 6. Documentation while learning Computer Network

# 3. Digital Signal Course



Figure 7. Documentation while learning Digital Signal

	Heri Setiawan(
	Melina(Melina)
	Qorri indah sa
	Nasril Ahmad
22	

Figure 8. Documentation while learning Digital Signal



Figure 9. Documentation while learning Digital Signal

# 4. Broadband Access Technology Course



Figure 10. Documentation while learning Broadband Access Technology



Figure 11. Documentation while learning Broadband Access Technology



Figure 12. Documentation while learning Broadband Access Technology

## 5. Programming Course



Figure 13. Documentation while learning Programming



Figure 14. Documentation while learning Programming



Figure 15. Documentation while learning Programming



6. Object Oriented Programming Course

Figure 16. Documentation while learning Object Oriented Programming



Figure 17. Documentation while learning Object Oriented Programming



Figure 18. Documentation while learning Object Oriented Programming