THE RESULT OF STUDENT MOBILITY REPORT

CREATE A WEBSITE TO MANAGE OF THE VILLAGE INFORMATION SYSTEM IN MATARAM ILIR USING PHP PROGRAMMING LANGUAGE AND THE DATABASE AT NANJING VOCATIONAL COLLEGE OF INFORMATION AND TECHNOLOGY



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DEPARTMENT OF SISTEM KOMPUTER INSTITUT INFORMATIKA DAN BISNIS DARMAJAYA BANDAR LAMPUNG 2021

SIGNATURE APPROVALS RESULT OF REPORT

PRACTICE WORK OF STUDENT MOBILITY

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SUMMARY

Mataram Iir Village, Central Lampung Regency, has an information system that is still in manual form and has not been automated so that it is slow in the process of adding, changing or deleting data and other population data collections. The purpose of making this website as an Information System for Population Data Processing in the Village of Mataram Ilir is in order to help provide alternative solutions to problems in the village of Mataram Ilir. The method in this activity uses certain techniques, namely field studies by understanding the population data of the village. The result of this activity is a set of Population Data Information System software in Mataram Ilir Village, Central Lampung Regency.

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 "create webiste to manage car rental using php/mysql at the nanjing vocational college of information and technology". 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 11th, 2021 to June 29th, 2021.

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

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- Melina, 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).
- All the parties taht the author cannot mention one by one, and have helped the completion of this report.
- 13. 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, 17 Agustus 2021

Nasril Ahmad NPM : 1911068014P

TABLE OF CONTENTS

SIGNATURE APPROVALS ii
RESULT OF REPORT ii
CURRICULUM VITAE iii
SUMMARY iv
PREFACE v
TABLE OF CONTENTS vii
TABLE OF FIGURE x
LIST OF TABLES xii
BAB 1 1
INTRODUCTION 1
1.1 Background
1.2 Formulation Of The Problem
1.3 Scope of Problem
1.4 Research Objectives and Benefits
1.4.1 Research Objectives
1.4.2 Research Benefits
1.5 Time and Place of Implementation
1.5.1 Execution Time
1.5.2 Place of Execution
1.6 Systematics of Writing
BAB II
LITERATURE REVIEW
2.1 Definition of Village
2.2 Definition of System
2.3 Definition of Information72.4 Literature Study7
2.5 Understanding Website

2.6 PHP (Hypertext Preprocessor)	8
2.7. XAMPP	8
2.8 MYSQL and Database	8
2.10.1. Flowchart	9
2.10.2 Entity Relationship Diagram (ERD)	. 11
BAB III	12
RESEARCH METHODS	12
3.1 Software Development Method	. 12
3.2. Research Object	. 13
3.3 Types and Sources of Data	. 14
3.3.1. Primary Data	. 14
3.3.2 Secondary Data	. 14
3.4 Data Collection Method	. 14
3.4.1 Field Study	. 14
3.5 Design	. 15
3.5.1 System Design	. 15
3.5.2 Flowchart	. 16
3.5.5 Physical Design	. 19
3.6 System Interface	. 23
3.7 Access to the Village Information System Interface System Population data .	. 23
3.7.1 Resident Interface	. 23
3.7.2 Admin Interface	. 25
BAB IV	. 27
RESULTS AND DISCUSSION	. 27
4.1 Agency Overview	. 27
4.1.1 General History 4.2 Problem Identification	
4.4 System Implementation	. 28
4.4.1 Application Development Results	. 28
BAB V	. 33
CONCLUSIONS AND SUGGESTIONS	. 33
5.1 Conclusion	. 33
5.2 Suggestions	. 34

REFERENCES	5
ATTACHMENT	6
1.Database Technology Course	6
2.Computer Network Course	7
3.Broadband Access Technology	7
4 Digital Signal Course	9
5 .Programming Course	2
6. Object Oriented Programming Course 42	3

TABLE OF FIGURE

Figure 3.1. Flowchart
Figure 3.2. Entity Relationship Diagram
Figure 3.3. Logical Design
Figure 3.4 Login Menu Interface Design
Figure 3.5 Resident and Admin Choice
Figure 3.6 Family Card Resident input
Figure 3.7 Interface design Add Resident Family Card
Figure 3.8 Interface Design Population 1
Figure 3.9 Population Data Input Interfa 1
Figure 4.1 Login Menu Interface Design 1
Figure 4.2 Resident and Admin Choice Men 1
Figure 4.3 Family Card Resident input in 1
Figure 4.4 Interface design Add Resident 1
Figure 4.5 Interface Design Population S 1
Figure 4.6 Population Data Input Interfa 1

Figure 4.7 Family Card Data Input Interf	1	31
Figure 4.8 .Design of Population Output	1	32

LIST OF TABLES

Table 2.1 Flowchart Symbols 9)
Table 2.2 Symbols Entity Relation 1	1
Table 3.1 Religius Table 1	9
Table 3.2 Document Table 1	19
Table 3.3 File Table 1	9
Table 3.4 Access rights Table 2	20
Table 3.5 User Access Rights Table 2	20
Table 3.6 KK Table	0
Table 3.7 Classifacation Table	1
Table 3.7 Classifacation Document Table	1
Table 3.9 Online Table	1
Table 3.10 Resident Table 2	2
Table 3.11 Message Table 2	22

BAB 1 INTRODUCTION

1.1 Background

The development of technology is very rapid as it is today, both in government and private institutions are required to be able to follow and know the swift flow of information in all fields, especially in the field of computers.

With technology we seem to be able to rule the world in the palm of our hands. With the internet and databases that use websites. Data can be stored, retrieved and easily without the hassle of using the manual method. To make it happen, we need to create a website-based Information System. One way to create a website is with PHP.

The Mataram Ilir village government is one of the governments in charge of regulating, managing resources in government at the village level and has an obligation to carry out population administration as a form of service to the community. Population registration and civil registration are the sub-pillars of population administration and need to be managed as well as possible in order to provide benefits in improving governance and development. Population Data Management is the responsibility of the village/kelurahan government as the spearhead of the population. The service needs to be done correctly, quickly and precisely so that the population gets satisfactory service.

In this modern era, the rapid development of technology requires government agencies at the village level to implement a computerized and automated data processing so that they can provide precise and accurate information. The population information system is intended to increase efficiency and to make population data accurate in terms of public services. Mataram Ilir Village so far has an information system that is still in manual form so that it slows down the process of adding, changing and other population data collection processes. In addition, the data storage is still in the form of files so that it slows down in accessing the data.

1.2 Formulation Of The Problem

"Based on the background that has been stated, the formulation of the problem in this report is: How to make an information system website for managing population data in Mataram Ilir village so that it can help produce precise and accurate information and can become an archive material for Matam Ilir village using php to increase the effectiveness of adding data, changing population data in Mataram Ilir village? "

1.3 Scope of Problem

Limitation of the problem in writing the Community Service Work Practice (PKPM) is as follows :

- 1. In the village of Mataram Ilir, there is no population data processing facility through website based information system.
- 2. Still using manual paper forms in some of the population data collection processes which can result in delays in data reporting.
- 3. Population data storage media that are still prone to data loss and data damage.
- 4. Making this Population Information System using the php programming language.
- 5. The database used is MySQL with xampp software.

1.4 Research Objectives and Benefits

1.4.1 Research Objectives

- a. The establishment of a Population Information System that can be used by the village of Mataram Ilir in terms of population data collection, changes in population data and deletion of population data.
- b. Making a Population Data Processing Information System Website in the Village of Mataram Ilir Village so as to produce precise and accurate population data reports, in order to help provide alternative solutions to problems regarding data processing of residents of Mataram Ilir Village.
- c. Make it easy for the Mataram ilir village government to serve as village archive material to be safe and accurate.

1.4.2 Research Benefits

The benefits expected in the preparation of this research report are:

- 1. For Writers
- a. The author aims to implement the knowledge that has been obtained when studying while studying at the Darmajaya Institute of Informatics and Business.
- b. The author can add experience as well as knowledge and insight about the population and the website.
- 2. For Academics
- a. Knowing the ability of students to know the material received during the lecture period.

- b. As a benchmark for students' understanding and mastery of the theory that has been given as well as material to
- 3. For Mataram Ilir Village

Make it easy to record data and search for population data, to make it easier, faster, accurate and efficient.

1.5 Time and Place of Implementation

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 Systematics of Writing

BAB I INTRODUCTION

In this chapter, the author describes the general background, scope/limits of practical work that limits the problems, objectives and benefits and systematics of writing which is an overview of the entire chapter.

BAB II LITERATURE REVIEW

This chapter describes things with a framework of thought, namely how community service is carried out by utilizing various relevant libraries.

BAB III RESEARCH METHOD

This chapter discusses the methods applied when researching by digging up information from the Village Government to obtain valid data with the aim of discovering, developing, or proving certain knowledge so that in turn it can be used to understand, solve, and anticipate problems in his field

BAB IV RESULT AND DISCUSSION

This chapter discusses the planning and analysis of the system design that will be made.

BAB V CONCLUSIONS AND SUGGESTIONS

In this chapter the author tries to draw some important conclusions from all the descriptions in the previous chapters and provide suggestions that are considered necessary for the company.

REFERENCES

ATTACHMENT

BAB II LITERATURE REVIEW

2.1 Definition of Village

According to Law no. 32 of 2004, Village is a legal community unit that has jurisdictional boundaries, is authorized to regulate and manage tasks in the interests of the local community based on local origins and customs that are recognized and/or formed in the national government system and located in districts/cities.

2.2 Definition of System

A system is an important tool and is needed by a company or official agency. This is because with an integrated system, the performance of a company or agency will be more focused and systematic. However, to get a positive impact from using the system, all elements involved in it must work together to achieve predetermined goals.

There are two groups of approaches in defining the system, namely those that emphasize its components or elements. A systems approach that emphasizes more on procedures defines the system as a network of interconnected procedures, gathered together to perform an activity or to complete a specific goal. While the systems approach that emphasizes more on elements or components defines the system as a collection of elements or components or subsystems that interact to achieve certain goals.

2.3 Definition of Information

Understanding Information is a collection of data or facts that have been processed and processed in such a way as to produce something that can understood and provides benefits to the recipient. Data and facts are the "ra material" of information, but not all of them can be processed into information.Currently, the high value of information is due to the speed at which the information is obtained, so the latest technologies are needed to obtain, process and transmit it. Information can also be interpreted as a framework that coordinates resources (humaand computer) to convert inputs (inputs) into outputs (information) in order to achieve company goals.

2.4 Literature Study

That is the method of collecting data by studying literature books, papers and other scientific works related to the problem under study.

2.5 Understanding Website

Website can be interpreted as a collection of pages that display various kinds of text information, data, still or moving images, animation data, sound, video or a combination of all of them, both static and dynamic, which form a series of interconnected buildings. each of which is linked by a network of pages or hyperlinks. In general, a website is a collection of various web pages that are summarized in a domain or subdomain, which is located on the WWW (World Wide Web) and of course on the Internet. Web pages are usually documents written in Hyper Text Markup Language (HTML) format.

2.6 PHP (Hypertext Preprocessor)

PHP is a language specifically designed for use on the web. PHP is atoolforcreating dynamic web pages. At first PHP was short for Personal Home Page (Personal Site). Currently PHP stands for Hypertext Pre Processor (ALutfi,2017).

2.7. XAMPP

XAMPP is free software, which supports multiple operating systems, is a compilation of several programs. Function is as a stand-alone server (localhost), which consists of Apache programs HTTP Server, MySQL database, and language translator written in PHP and Perl programming. XAMP name stands for X (four system any operation), Apache, MySQL, PHP and Perl. This program is available in the GNU General Public License and free, is a web an easy-to-use server that can serve dynamic web page display (Mearaj, Maheshwari, & Kaur, 2019).

2.8 MYSQL and Database

MySql is a SQL database management system software that is multithreaded, multiuser, by applying the concept of database operations, especially for selecting or selecting and entering data, which allows data operations to be done easily automatically (Jatmika, 2017).

2.9 Definition of Population Data

Population is matters relating to the number, growth, distribution, mobility, distribution, quality, welfare conditions, which are related to politics, economy, social, culture, religion and the environment (Law No. 23 of 2006) Population is matters relating to the number, structure, age, gender, religion, birth, marriage, pregnancy, death, distribution, mobility and quality as well as its resilience concerning politics, economy, social and culture.

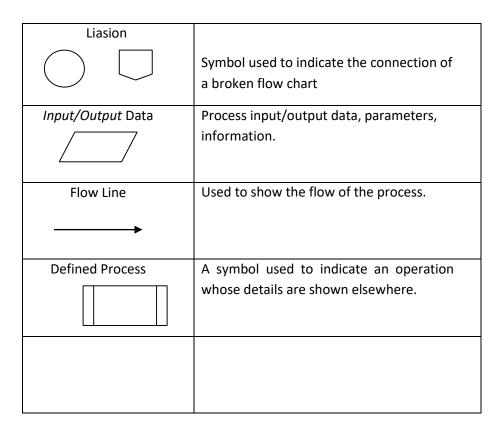
2.10 Data Development

2.10.1. Flowchart

According to (A.S., Rosa and Salahuddin, M., 2018), Flowcharts describe the details of a process, stages and sequences graphically. Flowcharts contain charts that have flows that describe the steps to solving a problem. The flowchart can be defined as a picture that describes the process to be seen or studied. In addition, flowcharts are usually used to plan the stages of an activity. So, Flowchart or flowchart is a method to describe the stages of problem solving (procedures) along with the flow of data with standard symbols that are easy to understand.

Symbol	Description
Document	Shows the documents used for input and output.
Manual Process	Shows work done manually.
Computerized Process	Shows the process of operating a computer program.
Savings	Shows archive.
Terminator	Used to give the start and end of a process.
Flow Line	Used to show the flow of the process.
Decision	Used for a selection of conditions in the program.

Keyboard	Indicates input using the keyboard.
Hard disk	Storage media, using a hard disk device.
Information	Used to provide other information.



2.10.2 Entity Relationship Diagram (ERD)

One of the diagramming tools used to model data abstractions is the Entity Relationship Diagram (ERD). According (A.S., Rosa dan Shalahuddin, M., 2018) Entity Relationship Diagram (ERD) is a tool used to perform abstract data modeling with the aim of describing or describing the structure of the data used. ERD serves to model data structures and relationships between data, to describe it, several notations and symbols are used.

The following symbols are used in the ERD :

Table 2.2	2 Symbols	Entity	Relation
-----------	-----------	--------	----------

Symbol	Information		
	Entity, which is a collection of objects that can be identified as a unit.		
$\langle \rangle$	Relationships, namely relationships that occur between one or more entities. Types of relationships include: one-to-one, one-to-many, and manyto-many.		
\bigcirc	Attributes, namely the characteristics of the entity or relationship which is a detailed description of the entity.		
	Line, relationship between entity and its attributes and the entity set with the relation set.		
	Input/output data, namely the process of input/output data, parameters, information.		

BAB III RESEARCH METHODS

3.1 Software Development Method

The method chosen by the author as the basis for determining website creation based on the software development method is to use the waterfall model. This model provides a sequential software flow approach starting from the analysis, coding design, testing and support stages (A.S., Rosa and Salahuddin, M., 2018).

According to (A.S., Rosa and Salahuddin, M., 2018) the waterfall method is:

A. Software Requirements Analysis

The process of gathering requirements is carried out in an incentive and detail manner to determine software requirements so that users can understand what kind of software is needed. Software requirements specifications at this stage need to be documented. So the software used includes: Windows 10 Operating System, XAMPP, MySQL Database, Draw.io, Bootstrap, VSCode.

B.. Design

Software design is a multi-step process that focuses on software design including data structures, software architecture, interface representation, and coding procedures. This stage translates software requirements from the requirements analysis stage to a design representation so that it can be implemented into the program at a later stage. The software design produced at this stage also needs to be documented.

C. Programming code

The design must be translated into a software program. The result of this stage is a computer program that is in accordance with the design that has been made at the design stage.

D. Test

Testing focuses on the software in terms of logic and functionality and ensures that all parts have been tested. This is done to minimize errors and ensure that the output produced is as desired.

E. Support or maintenance

It is possible that the software changed when it was delivered to the user. Changes may occur due to errors that appear undetected during testing or the software must adapt to a new environment. The support or maintenance phase may repeat the development process from analyzing specifications to changes to existing software, but not to creating new software.

3.2. Research Object

The object of this research activity is at the Kelurahan Office of Mataram Ilir Village, Seputih Subdistrict, Surabaya, Central Lampung. Where the emphasis of the problem is on information systems Processing population data in Mataram Ilir Village so that it can help provide solutions to the problems faced today.

3.3 Types and Sources of Data

3.3.1. Primary Data

That is data obtained directly from the object of research at the Mataram Ilir Village Office.

Examples of these primary data are:

Family Card Data Consisting of :

1) Population Identification Number (NIK)

- 2) Name of Family Head
- 3) Gender
- 4) Place of Birth

3.3.2 Secondary Data

Namely data obtained indirectly from sources of information through literature and information sourced from outside the Village Office of Mataram Ilir Village.

3.4 Data Collection Method

3.4.1 Field Study

In accordance with the source of data and the purpose of the activity, in direct data collection, the author uses several data collection techniques, including:

A. Interview

Interview is a technique of collecting data through questions and answers on matters that are directly related to the problem being researched which aims to dig up information related to the problem being studied. The parties interviewed by the author include:

- 1. Secretary of Mataram Ilir Village
- 2. Several Village Officers.
- B. Direct Observation

Is a method of collecting data through direct observation of the object of research, namely observing activities regarding ongoing system procedures Starting from Observation of the population data archives that are still manual in the village of Mataram Ilir.

C. Documentation

Is a data collection technique by looking at the notes and process forms on the preparation of reports at the Matarm Ilir Village Village Office.

3.5 Design

3.5.1 System Design

The design of the library information system in Komering Agung village applies the problem solving solutions that have been proposed in the system analysis. The design of this information system based on this case goes through three stages, namely:

a. System Functional Design Stage

At the functional design stage of the system carried out, among others: Analysis of the running system using Flowchart. The proposed system uses Context Diagrams, Data Flow Diagrams (DFD) and Entity Relationship Diagrams (ERD).

b. Data Design Stage

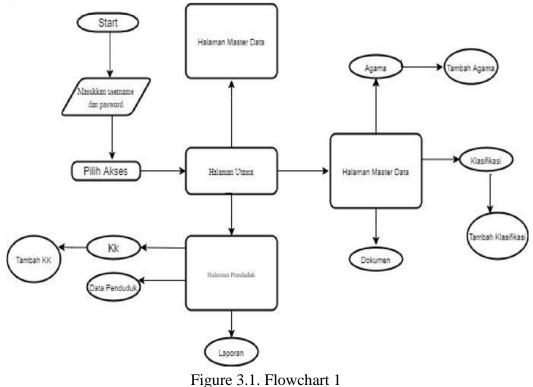
At the data design stage, among others: Creating Relationships Between Tables and Data Dictionary.

c. Interface Design Stage

The design stage includes making a proposed design to create an interface with the user. Views made include: Account List Display, Login Display, Village Library Main Page Display, Loan Transaction Display and Member Data Display.

3.5.2 Flowchart

The flowchart is a depiction of the flow of documents related to the system to be built, the information system flowchart describes the system design that is currently running in the village information system. Population data, how this data information system can be used as village archive material.



8

3.5.3 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. ERD (Entity Relationship Diagram) to model data structures and relationships between data, to describe it used several notations and symbols.

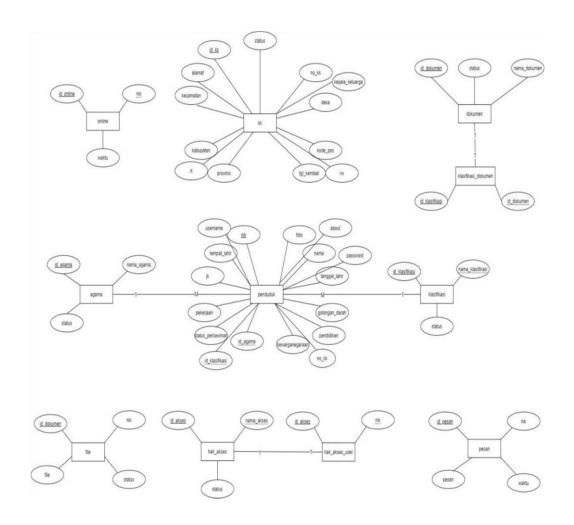


Figure 3.2. Entity Relationship Diagram **3.5.4 Logical Design**

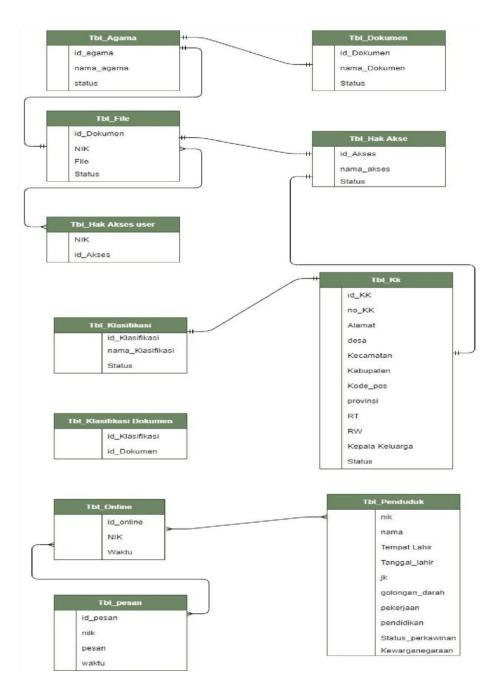


Figure 3.3. Logical Design 1

3.5.5 Physical Design

Field	Туре	Default	Desccription
-------	------	---------	--------------

(PK)Id_agama	Varchar (10)	None	ID Religious (Primary
			Key)
Nama_agama	Varchar (30)	Null	Name _religion
Status	Int (11)	Null	Status

Table 3.1 Religius Table

Field	Туре	Default	Desccription
(PK)Id_Dokumen	Varchar (30)	None	ID Document (Primary Key)
Nama_Dokumen	Varchar (50)	Null	Name Dokument
Status	Int (1)	Null	Status

Table 3.2 Document Table

Field	Туре	Default	Desccription
(PK)Id_Dokumen	Varchar (30)	Null	ID Document (Primary Key)
Nik	Varchar (30)	Null	Nik
File	Text	Null	File
Status	Int (1)		Status
		Null	

Table 3.3 File Table

Field	Туре	Default	Desccription
(PK)Id_Akses	Varchar (10)	None	ID Access (Primary
			Key)

Nama_akses	Varchar (10)	None	access name
Status	Int (1)	None	Status

Table 3.4 Access rights Table

Field	Туре	Default	Desccription
Nik	Varchar (10)	None	Nik
id_akses	Varchar (10)	None	access ID
		Т	

Table 3.5 User Access Rights Table

Field	Туре	Default	Desccription
Id_Kk	Varchar (10)	Null	ID kk
No_Kk	Varchar (50)	Null	no kk (Primary Key)
Alamat	Varchar (30)	Null	Address
Desa	Varchar (30)	Null	Village
Kecamatan	Varchar (30)	Null	Districts
Kabupaten	Varchar (30)	Null	District
Kode_pos	Varchar (10)	Null	Postal code
Provinsi	Varchar (30)	Null	Province
RT	Varchar (5)	Null	RT
RW	Varchar (5)	Null	RW
Kepala Keluarga	Varchar (50)	Null	head of family
Status	Varchar (1)	Null	Status
	T-1-1	3 6 KK Tabla	

Table 3.6 KK Table

Field	Туре	Default	Desccription
Id_Klasifikasi	Varchar (10)		Classification ID
			(Primary Key)
nama_Klasifikasi	Varchar (50)	Null	Classification Name

Status	Int (1)	Null	Status
--------	---------	------	--------

Table 3.7 Classifacation Table

Field	Туре	Default	Desccription
Id_Klasifikasi	Varchar (5)	None	Classification ID
Id_Dokumen	Varchar (5)	None	ID Document

Table 3.8 Classifacation Document

Field	Туре	Default	Desccription
Id_online	Int (11)	None	ID Online
Nik	Varchar (15)	None	NIK
Waktu	Varchar (25)	None	Time

 Table
 3.9 Online
 Table

Field	Туре	Default	Desccription
Nik	Varchar (100)	None	Nik
Nama	Varchar (150)	Null	Name
Tempat_Lahir	Varchar (50)	Null	Place of birth
Tanggal_Lahir	Varchar (10)	Null	Date of birth

Jk	enum('L', 'P')	Null	ЈК
Golongan_darah	Varchar (5)	Null	Blood group
Pekerjaan	Text	Null	Work
Pendidikan	Varchar (5)	None	Education
Status Perkawinan	enum('KAWIN', 'BELUM KAWIN')	None	NIK
Kewarganegaraan	Varchar (50)	Null	Marital status
Status	Int (1)	Null	Status

Table 3.10 Resident Table

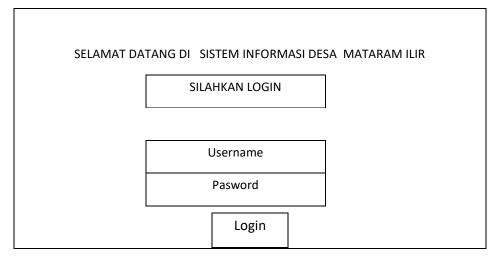
Field	Туре	Default	Desccription
Id_Pesan	Int (11)	None	ID Message
Nik	Varchar (15)	None	Nik
Pesan	Text	None	Message
Waktu	Varchar (50)	None	Time

Table 3.11 Message Table

3.6 System Interface

The proposed system interface consists of 2 (two) access rights, namely the system interface with Member (user) access rights, and the Admin access rights system interface. The system to be built is used by all website-based access rights

3.7 Access to the Village Information System Interface System Population data



3.7.1 Resident Interface

Figure 3.4 Login Menu Interface Design 1

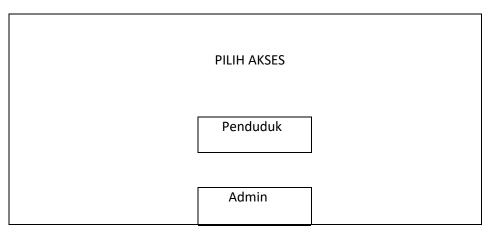


Figure 3.5 Resident and Admin Choice Men 1

SIWADES : SELAMAT DATANG DI SISTEM INFORMASI DESA MATARAM ILIR

Dashboard	ANGG	ANGGOTA II KK II PENDUDUK					
	+Tamb	ah Keluarg	a				
Kartu Keluarga	No	КК	NIK	Nama	JK	Tempat tgl lahir	opsi
Chatting an							

Figure 3.6 Family Card Resident input i 1

NIK]
Nama]
ЈК]
Golongan Darah	<u>[</u>]
Pendidikan	[]
Pekerjaan]

Figure 3.7 Interface design Add Resident 1 Family Card

3.7.2 Admin Interface

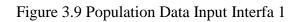
Data Penduduk : SELAMAT DATANG DI SISTEM INFORMASI Penduduk DESA						
MATARAM ILIR						
	Anak-Anak Remaja Dewasa lansia		Laki-Laki	Perempuan		

	Jumlah Total Jiw	va	Jumlah Total Jiwa	
Dashboard	L			
Master data				
Penduduk				
Jumlah Warga Desa Mat Ilir Berdasarkan Klasifika		Jumlah Warga De Berdasarkan Jenis		

Chatting an

Figure 3.8 Interface Design Population 1

Data Pendud	uk	: SELAMAT	DATANG	DI SISTEM	INFORMAS	SI DESA	MATARAM IL	IR	
Dashboard		PENDUD	UK Mat	aram Ilir					
Master	[Penduduk							
Data Kartu		No	КК	NIK	Nama	ЈК	Tempat tgl lahir	opsi	
Keluarga		L				1		1	
Data									
Penduduk									
Chatting an									



Data Pendud	uk : S	ELAMAT	DATANG	DI SISTEM	INFORMAS	I DESA M	ATARAM IL	IR	
Dashboard		Kartu Ke	luarga 📙 P	enduduk					
Master data	+	Tambah K	ΪK						
Penduduk									
Kartu		No	КК	NIK	Nama	JK	Tempat tgl lahir	opsi	
Keluarga									
Data									
Data Penduduk									
Penduduk									
Chatting an									

Figure 3.10 Family Card Data Input Inter 1

Data Penduduk : SE	LAMAT DATANG DI SIST	EM INFORMASI DESA MATARAN	1 ILIR
Dashboard	Laporan 📙 Pendudu	k	
	Laporan		
Master data	КК	Pilih Kk	
Penduduk			
Kartu Keluarga	Agama	Pilih Agama	
Data Penduduk	Klasifikasi	Pilih Klasifikasi	
	Export		

Figure 3.11.Design of Population Output 1

BAB IV RESULTS AND DISCUSSION

4.1 Agency Overview

4.1.1 General History

Mataram Ilir Village is located in Seputih Subdistrict, Surabaya, Central Lampung, this village is bordered by the Gaya Baru Village, Central Lampung. This village has various ethnic groups, namely Lampung, Java, Bali, Sunda with the majority of Lampung and Java, this village is still thick with the customs that they hold from their ancestors.

The people of Mataram Ilir Village are generally fishermen and farmers. The residents of this Mataram Ilir village still lack technological knowledge so that the rapid development of Mataram Ilir village technology is demanded to follow developments, especially in Mataram Ilir village government agencies.

4.2 Problem Identification

In managing data information, the Village of Mataram Ilir has not maximized the use of computers, so that the recording of data and information has several weaknesses. 1. Source of Problem

The source of the problem is in the recording of data and information, the Village of Mataram Ilir still uses paper recording.

2. Identification of Information Needs

From the identification of these problems, a decision can be made, namely MAKING A VILLAGE INFORMATION SYSTEM MANAGEMENT WEBSITE that is able to manage data properly and produce information needed by the residents of Mataram Ilir Village more precisely and accurately as well as provide population information and improve the efficiency of community services.

4.3 System Analysis

The following is a textual description of the Population Data Information System at the Village Office of Mataram Ilir Village. The Population Data Information System involves the KAUR of the Government to find out the data of the villagers and seek information through the villagers directly in order to get more accurate information.

4.4 System Implementation

4.4.1 Application Development Results

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 as follows :



4.4.2 Resident Interface

Figure 4.1 Login Menu Interface Design 1

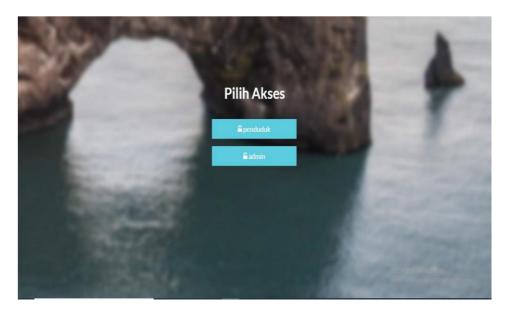


Figure 4.2 Resident and Admin Choice Men 1

SIWADES	I SELAMATI	pend	penduduk 123451 A.N. NASRIL AHMAD						
	ANGGOTA KK Penduduk								
Kartu Keluarga									
	+ Tambah K	eluarga							
	10 👻						Kata Kunci	۹	
	No *	KK (NIK 0	Nama	Jenis Kelamin	Tempat, Tanggal Lahir	• % Opsi	¢	
	1	۷	123451	NASRIL AHMAD	LAKI - LAKI	MATARAM ILIR, 21-12-1997	۹ 🖌	×	
	2	ø	123452	MUHAMMAD ROIISUL ABIDIN	LAKI - LAKI	TUBAN, 1997-12-06	۹ 🖌	×	
	3	Ø	123455	CAMELIA	PEREMPUAN	TUBAN, 1996-12-15	۹ 🖌	×	
	4	Ø	123551	EXGE BENA VENTURA	LAKI - LAKI	BLITAR, 22-03-1996	۹ 🖌	×	
	1-4 of 4						Activate Window	>	

Figure 4.3 Family Card Resident input in 1

© SIWADES	E SELAMAT DAT/	NIK	р	enduduk 1234	i1 A.N. Nasril	AHMAD	^
 Dashboard 	ANGGOTA	Masukkan NIK					
		Nama					
🗊 Kartu Keluarga	A KELUARGA NAS	Masukkan Nama					
		Tempat Lahir					
< Chatting an	+ Tambah Kelua	Masukkan Tempat Lahir					
	10 •	Tanggal Lahir					
		Tanggal/Bulan/Tahun					
	No 🔺 K	JK	nggal Lahir		4 Opsi		
	1	Pilih Jenis Kelamin	21-12-1997				1
		Golongan Darah					
	2	Pilih Golongan Darah	2-06				
	3	Pendidikan	2-15				
	4	Pilih Pendidikan	996				
		Pekerjaan					
	1-4 of 4	Pilih Pekerjaan *				Windows.	
2016 © Elfan Rodh		Status Perkawinan					

Figure 4.4 Interface design Add Resident 1

4.4.3 Admin Interface

📦 Data Penduduk	i SELAMAT DATA	NG DI SISTEM INFO	RMASI PENDUDUK I	DESA MATARAM ILIR	1	admin 123451 A.N. NASRIL AHMAD 🌔			
Dashboard The second			ESA MATARA N KLASIFIKA		JUMLAH WARGA DESA MATARAM IL BERDASARKAN JENIS KELAMIN				
Penduduk <		JUMLAH TO		JUMLAH TOTAL 10 JIWA					
«Chatting an	Ť ANAK-ANAK O	emaja Remaja	DEWASA 3	LANSIA 3	** LAKI - LAKI 7	PEREMPUAN 3			
2016 & Elfan Rodh						Activate Windows Go to Settings to activate Windows.			

Figure 4.5 Interface Design Population S 1

Data Penduduk	I SELAMAT	DATANG DI SISTEN	INFORMASI DESA MATA	RAMILIR		adr	nin 123451 A.N. NASRIL A	HMAD		
Dashboard PENDUDUK Mataram Ilir DashakePendudukan / Penduduk										
0 Master Data C A PENDUDUK										
Penduduk 🗸										
💩 Kartu Keluarga	10 *						Kata Kunci	۹		
Data Penduduk Laporan	No 🔺	NIK	Nama 🕴	Jenis Kelamin 🕴	Tempat, Tanggal Lahir	Status	∲ Opsi	÷		
	1	123451	NASRIL AHMAD	LAKI - LAKI	Matarm Ilir, 21-12-1997	ONLINE	۹ 🖉 🗴			
	2	123452	SINGGIH RD	LAKI - LAKI	Matarm Ilir, 1997-12-06	OFFLINE	Q 🖊 🗴			
	3	123453	Sari Fahnur	PEREMPUAN	Matarm Ilir, 17-08-1987	OFFLINE	Q 🖌 🗴			
	4	123454	FANA MAYA	PEREMPUAN	BOJONEGORO, 1996-12-22	OFFLINE	Q 🖌 🗴			
	5	123455	CAMELIA	PEREMPUAN	mataram ilir, 1996-12-15	OFFLINE	۹ 🖊 🗴			
	6	123456	SURYA DINATA	LAKI - LAKI	TUBAN, 1995-12-13	OFFLINE	Activate Windows so to Set 🭳 🖌 🗙	lindows		

Figure 4.6 Population Data Input Interfa 1

Data Penduduk							AHMAD			
	KARTU KE	ELUARGA P	ENDUDUK			Mataram Ilir / KARTU KELUARGA				
	💰 KARTU KEI	LUARGA								
Penduduk 🗸	+ Tambah K	к								
	10 🛩					Kata Kunci	Q			
	No 🔺	Nomor KK	Nama Kepala Keluarga 🕴	RT/RW \$	Jumlah Keluarga	4 Opsi	¢			
	1	123434	SINGGIH RD	001/004	SOrang	۹ 🖌 ۲				
	2	12344	FANA MAYA	001/004	1 Orang	Q 🖊 🗙				
	3	12345	SURYA DINATA	001/004	10rang	Q 🖌 🗙				
	4	12376	Sari Fahnur	001/004	1 Orang	Q 🖌 🗙				
	5	23456	ELFAN	001/004	2 Orang	Activate Windows Go to Se Q.	Windows.			

Figure 4.7 Family Card Data Input Interf 1

😧 Data Penduduk	SELAMAT DATANG DI SISTEM	MINFORMASI WARGA DESA MATARAM ILIR	admin 123451 A.N. NASRIL AHMAD
Ø Dashboard	LAPORAN PENDU	DUK	PENDUDUK / LAPORAN
🝈 Master Data 🤇	LAPORAN		Borderless
Penduduk • & Kartu Keluarga	KK	Pilih KK	×
 Data Penduduk Laporan 	Agama	Pilih Agama	Υ.
< Chatting an	Klasifikasi	Pilih Klasifikasi	×
	Export		
2016 © Elfan Rodh			

Figure 4.8 .Design of Population Output 1

BAB V CONCLUSIONS AND SUGGESTIONS

5.1 Conclusion

Based on the research that has been carried out by the author in Mataram Ilir Village, Seputih Surabaya District, Central Lampung Regency, it can be concluded as follows :

- 1. The process of processing population data as Village archive material which was previously done manually, where the process is still in the form of recording and storing data that is still in the form of archives / files manually, with this Population Webiste it can facilitate the data processing process more accurately and safely.
- 2. With computerized processing such as inputting and updating and processing population data through family cards, Mataram Ilir Village is more familiar with increasingly advanced technology.
- 3. With the data storage in the form of a database, it is possible that there will be no duplication of data.
- 4. The design of the Population Data Processing Information System in Mataram Ilir Village can facilitate the Mataram Ilir Village government in an information system to manage Population Data in Mataram Ilir Village, Seputih Surabaya District, Central Lampung Regency.

5.2 Suggestions

From the results of research conducted by the author in Mataram Ilir Village, Seputih Subdistrict, Central Surabaya, the authors provide suggestions that can improve population information in Mataram Ilir Village, Seputih District, Central Lampung, Surabaya, as follows :

1. The population information system developed is a form of computerized information system that is not yet perfect, so it needs to be improved.

system development and improvement according to system user needs.

- 2. Prior to implementation, it is hoped that the website will be tested and ensured that it is in accordance with the wishes and needs of government agencies in Mataram Ilir Village, Seputih Subdistrict, Surabaya, Central Lampung.
- 3. It is hoped that training will be carried out in advance so that users really understand the function of how to use it as well as its maintenance. So that the website can be used properly and accurately.

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- A.S., Rosa dan Shalahuddin, M. (2018). Rekayasa Perangkat Lunak Terstruktur dan Berorientasi Objek. Bandung: Informatika Bandung

ATTACHMENT

1.Database Technology Course

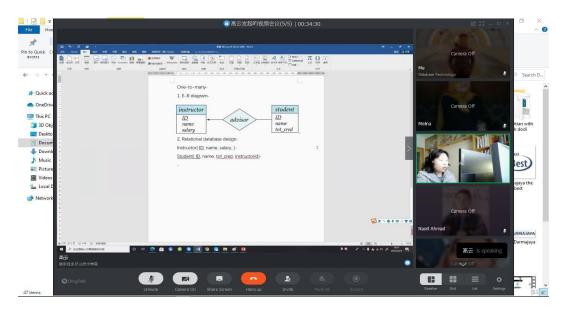


Figure 1. Documentation while learning Database Technology



Figure 2. Documentation while learning Database Technology

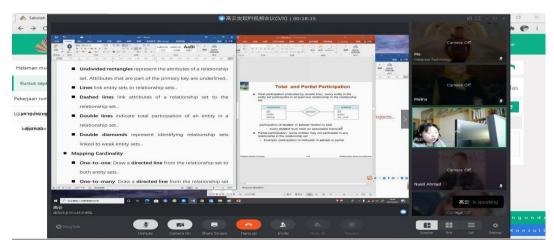


Figure 3. Documentation while learning Database Technology

2.Computer Network Course

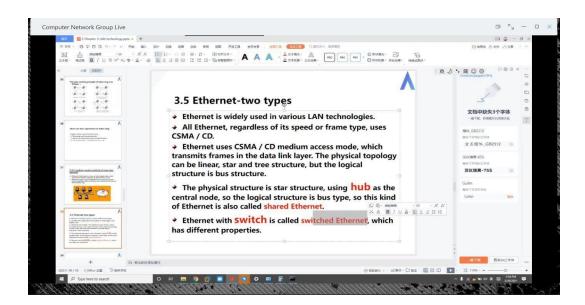


Figure 4. Documentation while learning Computer Network

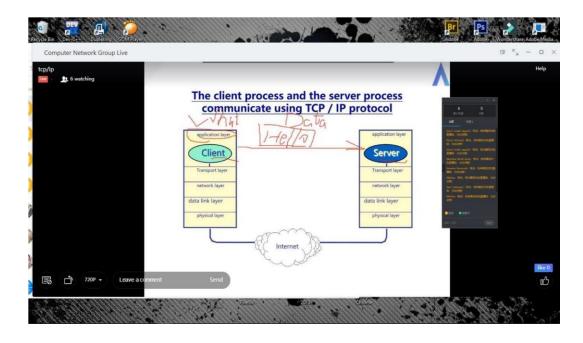


Figure 5. Documentation while learning Computer Network

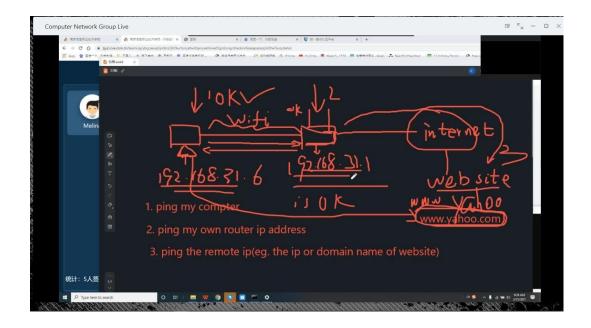


Figure 6. Documentation while learning Computer Network

3. Digital Signal Course

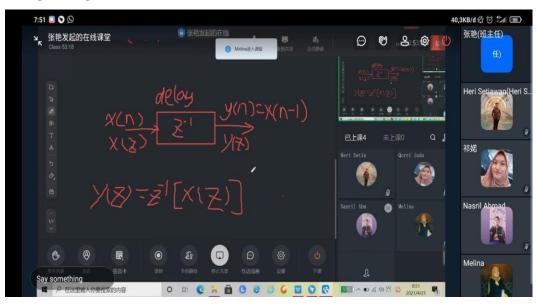


Figure 7. Documentation while learning Digital Signal

The Table o Signal, $x(n)$ $\delta(n)$ $\mu(n)$	f common ZT Z-transform 1	pairs: <u>ROC</u> ∀z _b]			Heri Setiawan(Heri
	1	∀z _N	-			
μ (n)		(ME)				
- (-)	$\frac{1}{1-z^{-1}}$	<i>z</i> > 1				Melina(Melina)
-u(-n-1)	$\frac{1}{1-z^{-1}}$	z < 1	stantl			
$a^n u(n)$	$\frac{1}{1-az^{-1}}$	z > a	rtant!			Qorri indah saputri
$-b^{n}u(-n-1)$	$\frac{1}{1-bz^{-1}}$	z < b				Nasril Ahmad
1525 VCP 5510	$\frac{1}{1-bz^{-1}}$	z > a		22		

Figure 8. Documentation while learning Digital Signal

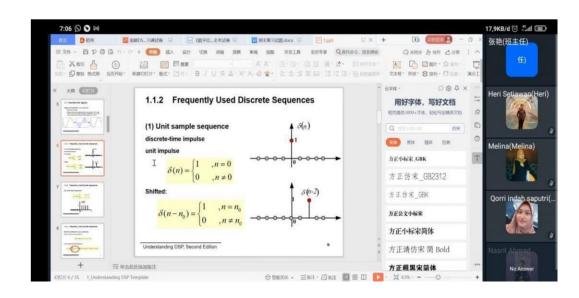


Figure 9. Documentation while learning Digital Signal 4.

Broadband Access Technology Course

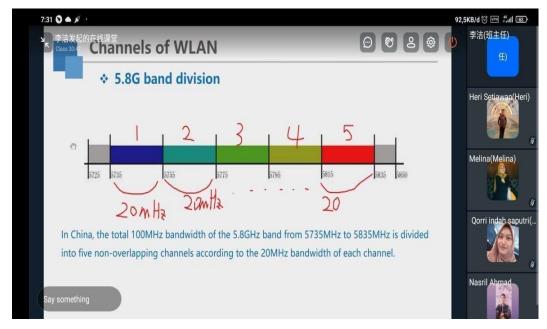


Figure 10. Documentation while learning Broadband Access Technology



Figure 11. Documentation while learning Broadband Access Technology

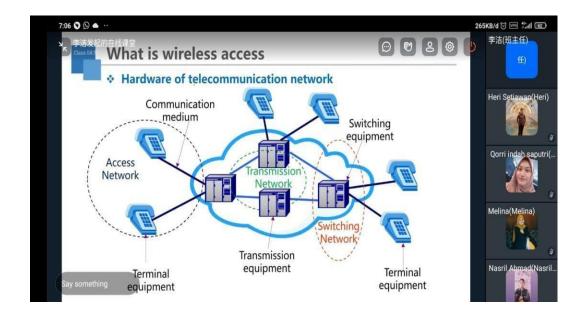


Figure 12. Documentation while learning Broadband Access Technology

5.Programming Course

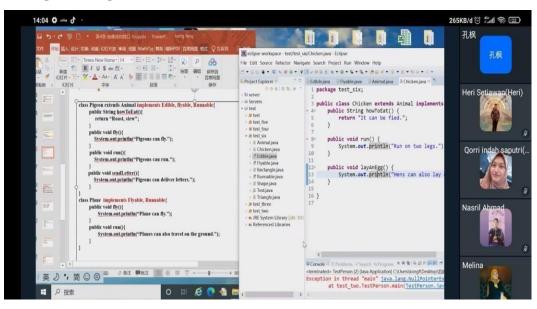


Figure 13. Documentation while learning Programming

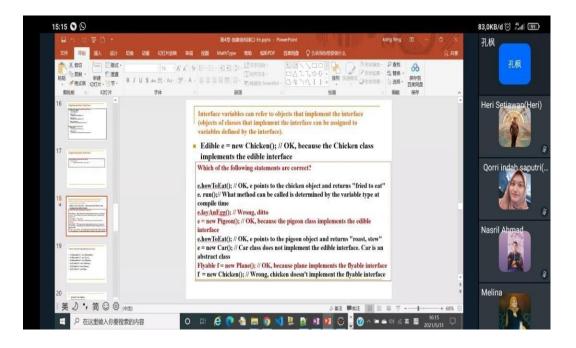


Figure 14. Documentation while learning Programming

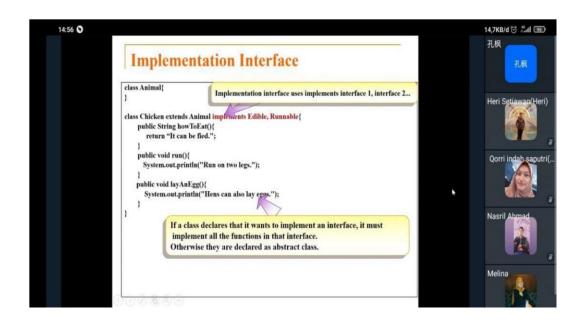


Figure 15. Documentation while learning Programming 6.

Object Oriented Programming Course

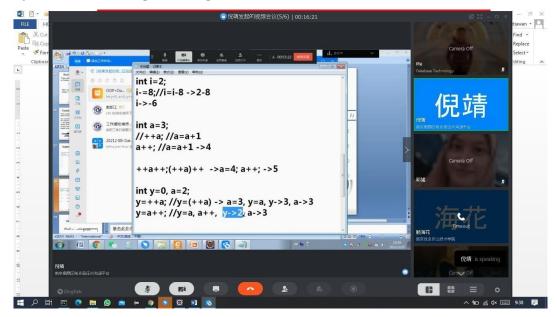


Figure 16. Documentation while learning Object Oriented Programming

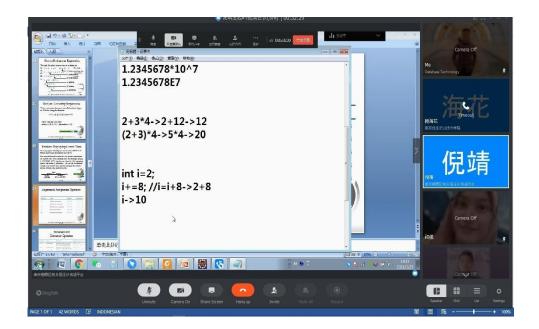


Figure 17. Documentation while learning Object Oriented Programming

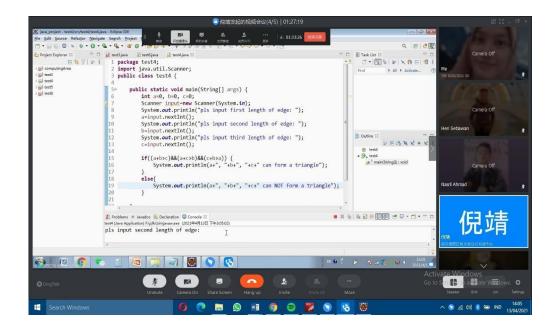


Figure 18. Documentation while learning Object Oriented Programming