

# INFORMATION SYSTEM FOR ADMISSION OF STUDENT

## INTERNSHIP AT RRI MEDAN

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### Abstract

The Internship Acceptance Information System at RRI Medan is a platform designed to facilitate the process of accepting internship students at Radio Republik Indonesia (RRI) Medan. The purpose of this system is to increase efficiency and effectiveness in the process of accepting apprentice students and to strengthen the relationship between RRI Medan and the surrounding universities. This system offers several important features, including online registration, submission of files, and tracking of application status. Students who are interested in doing an internship at RRI Medan can access this system via a website or an easy-to-use mobile application. They can fill out the online registration form and upload the required files, such as CVs, grade transcripts, and letters of recommendation. After registration is complete, the system will process the application and provide notifications to students regarding the status of their application. Students can track the progress of their applications through this system, including information regarding interview schedules or other selection tests. If accepted, students will receive confirmation through this system and can continue with the internship preparation stage. This information system is built on a web basis.

### Keywords:

*Information Systems; Industry; Internship; RRI Medan*

### Introduction

Technological developments are increasingly advanced, technology has an important role in helping humans complete their work. One example is the acceptance of student internships. Acceptance of apprentice students is indeed on the agenda every year for educational institutions or institutions in the context of accepting apprentice students in their environment. At this time RRI Medan does not yet have a system that can make it easier to apply for an internship. This is because all submission processes and notifications of acceptance or rejection of these submissions are done manually by visiting RRI Medan directly. The objectives of this research are:

1. The application system for this internship acceptance information system is website-based which can be used by many parties both online.
2. Producing a system that can provide information and make it easier for students to be able to register for internships at the RRI Medan company.

## **Literature Review**

### **Student Intern**

Higher education as an institution that develops knowledge must also produce its students to have adequate soft skills. Thus, the graduates can become competent individuals. Competent graduates are not only able to master knowledge and technology in their fields, but are also able to apply their competencies and have adequate soft skills. The reality on the ground shows that to reach the pinnacle of success, not only hard skills are needed, but also soft skills. Even in many ways, a person's excellence in soft skills is actually an important factor that determines the success of his life. The world of work needs people who not only graduate with high marks but they need communication skills, integrity and the ability to work with others. These intangible qualities but are very necessary in the world of work are also called soft skills (Suharyanti et al., 2015).

### **Radio Republik Indonesia (RRI)**

Radio Republik Indonesia (RRI) and Television Republic of Indonesia (TVRI) are Public Broadcasting Institutions (LPP). As LPP in Law No. 32/2002, these two broadcasting institutions are in the form of legal entities established by the state, are independent, neutral, non-commercial, and function to provide services for the public interest. The two broadcasting institutions are also expected to be able to meet the information needs of the public in border areas, considering that both have broadcasting stations all the way to the border. The information system built by these two broadcasting institutions must be able to reach widely, especially in border and remote areas so that the public is not left out of information and knows what is happening outside these areas (Juditha & Darmawan, 2016).

## **Data**

According to Sondang Siagian (2006: 118) Data is raw material or raw materials that have been further processed into information. From this understanding it can be concluded that data is a collection of raw materials which can be in the form of symbols, numbers, or letters in the form of a single unit that can be processed into information. According to Fathansyah (2007: 12) data processing is all kinds of processing of data or a combination of various types of data processing to make the data useful in accordance with the desired results, so that it can be used. electronic data processing is a series of activities intended to issue information using a computer which includes the collection, processing, and storage of processed data (Kausar arif. A Ambarita, 2016).

## **Programming Applications**

An application is a program or a group of programs designed for use by end users. Applications can be used for learning purposes by users considering that in a learning process there should be interactions between learning components. From the understanding above, it can be concluded that an application is a program that is built and generated via a computer to do a certain job (Marjuni & Harun, 2019).

## **Website**

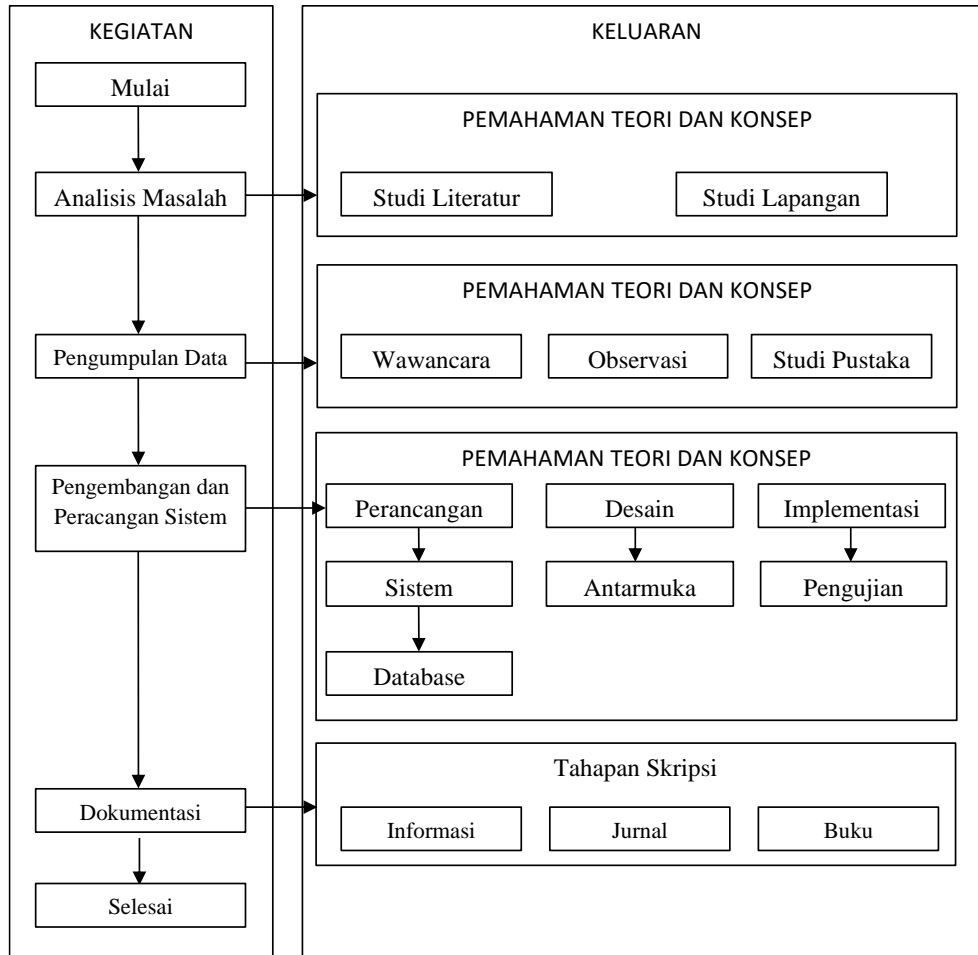
Website is a hypertext facility for displaying data in the form of text, images, sounds, animations, and other multimedia data, some of which are related to each other. A website is a place for storing data and information with a certain topic. A website must be able to make it easy for users to find information, such as alumni. With this website, the data and information provided by this website can be accessed or obtained easily and quickly (Mertayasa & Yambese, 2017).

## **Methods**

### **Research Stages**

The stages of research are the steps that will be carried out by researchers in conducting research. The knowledge base contained in this information system will be used to determine the search process or determine the conclusions obtained from the analysis results. The results are obtained after the user interacts with the information system by providing the information submitted by the information system. The knowledge base used in

information systems. The steps taken in this research include literature study, data collection, system design, system development, system testing, and report generation. The research stages chart is presented in Figure 1 below.



**Figure 1. Research Stages**

### Data collection technique

This stage collects data related to this research. The data collected comes from the results of collaborating with the internship admissions information system at RRI Medan to be able to record students accepted for internships there. Then the right solution to overcome the problems of this research is to create an application system that can provide an information system for accepting internship students at RRI Medan to be able to record students accepted for internships there in the form of a website platform. In making this research, data can be obtained from the following sources:

1. Primary Data. Primary data is data obtained directly from the object of research, namely from parties related to the data to be retrieved. Primary data obtained from observations.
2. Secondary Data. Secondary data is data obtained from existing data, such as data from books, literature as a theoretical basis or field examples as a complement to primary data. Secondary data sources are literature and books.
3. Observation. Obtain information related to the object of research by obtaining information about application design information systems with information systems for apprentice admissions at RRI Medan.
4. Study of literature. Collect data by reading journals, theories and studying literature related to information systems as input and consideration in analyzing the research conducted.

### **Ongoing System Analysis**

Analysis of the system that is currently running as a whole is very necessary for the author to be able to find out the weaknesses of the system, both from the way the system works and the implementation and everything involved in the system. The system analysis stage is carried out when conducting observations and interviews which aim to understand how the existing system works and is also intended to study in detail how the existing system works.

### **Research design**

After the system analysis stage, as a follow-up to solving the problem, a system design is made. System design is a step that is useful for improving the work efficiency of an existing system. The system design stage can be described as the stage for building a system and configuring its software and hardware components, resulting in a better system.

#### **1. Use Case Diagrams**

Use case is an abstraction from the interaction between system and actor. Use cases work by describing the type of interaction between users of a system and their own system through a story about how a system is used. The following is a use case diagram made in the design application:

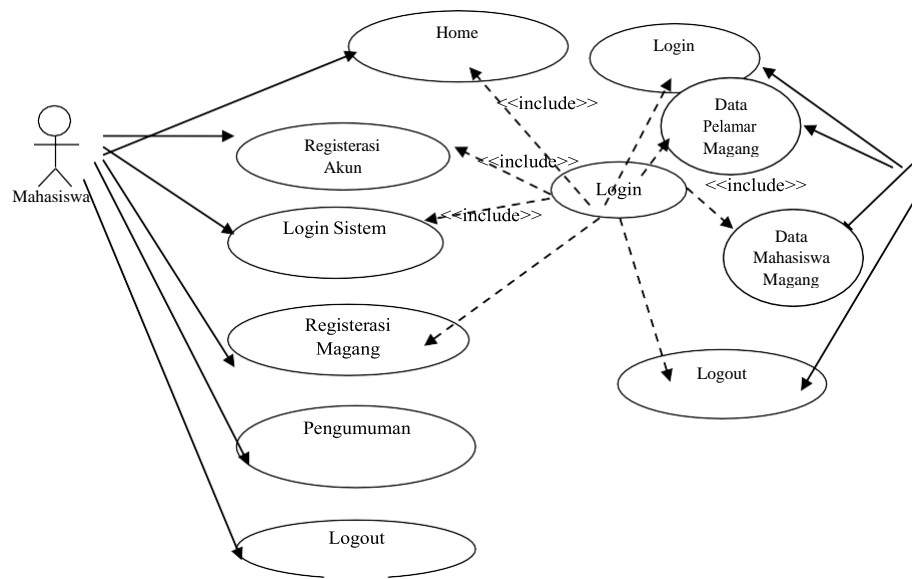


Figure 2. Use Case Diagram

## 2. Activity Diagrams

Activity diagrams describe a way of depicting the flow of behavior in application systems. The system uses this activity diagram, describes how to use a flowchart.

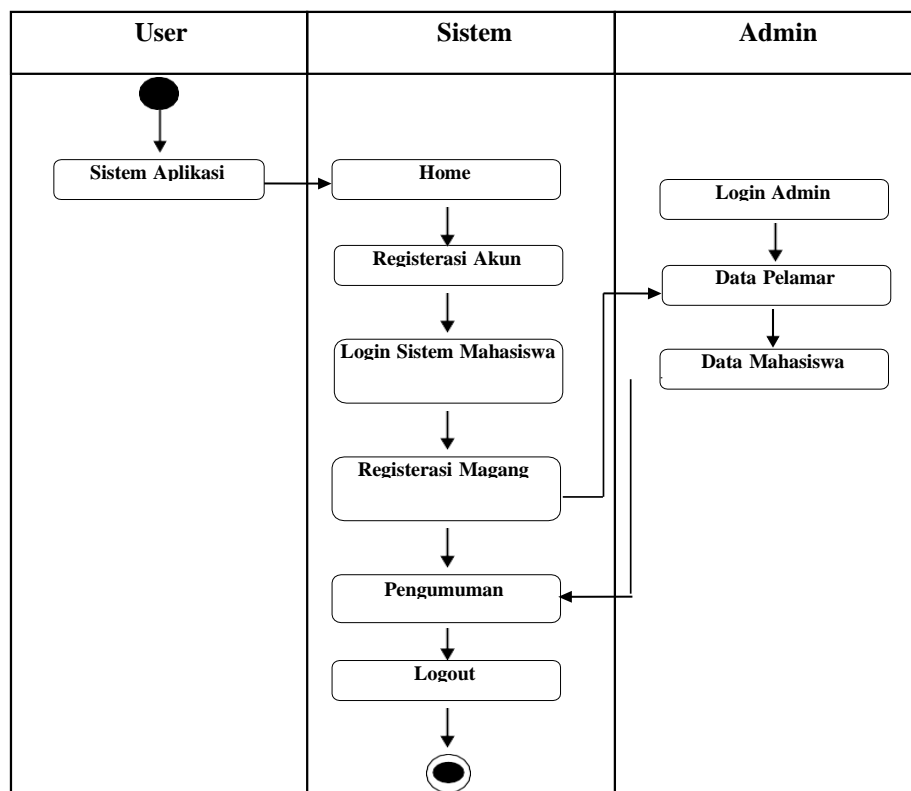


Figure 3. Activity Diagram

### 3. Class Diagrams

Class diagrams that describe the system in terms of the details of the classes that are made to build the system. Class diagrams describe the structure of data classes and program classes. Each class has attributes and operations. Operation describes what features or functions can be done in that class (Perwitasari et al., 2023). The following is the design of the class diagram as shown below:

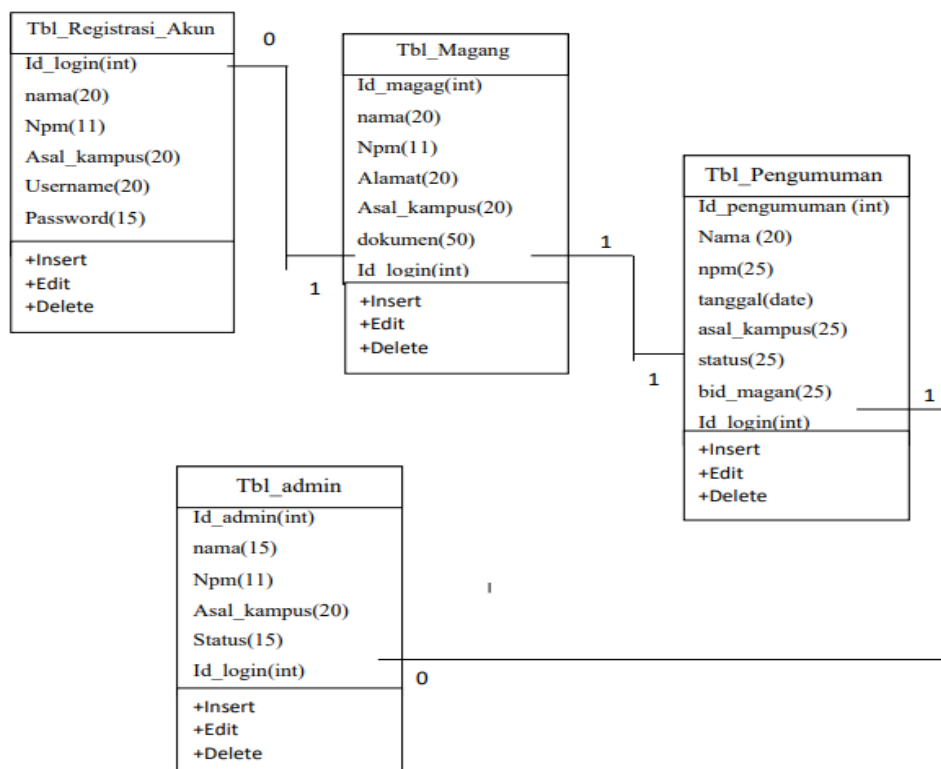


Figure 4. Class Diagram

### 4. Sequence Diagrams

Sequence diagrams describe the behavior of objects in use cases by describing the life time of objects and the messages sent and received between objects. Below is a sequence diagram in designing internship student admissions at RRI Medan as follows:

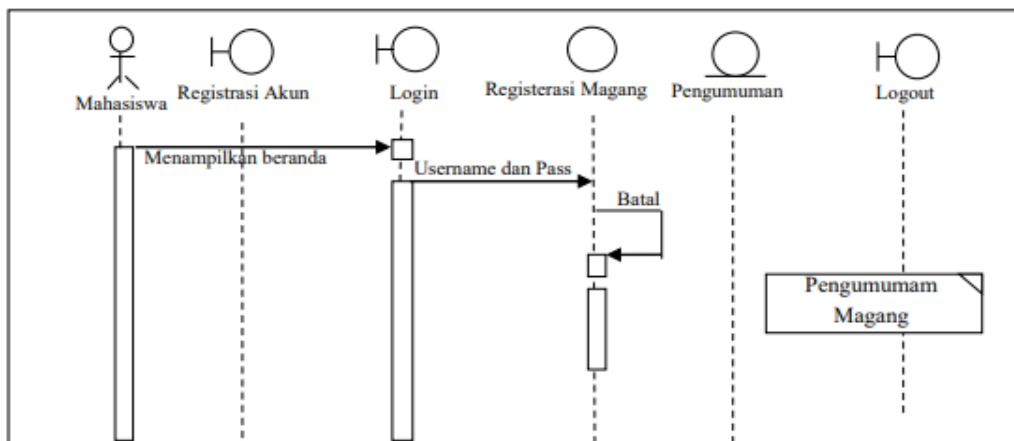


Figure 5. Sequence Diagram

## Results

### Application Testing and Discussion

System implementation is the result of the system information that has been successfully built and has several main functions that can be accessed by user or admin (Hendrawan et al., 2023). At the testing stage of this application, before students and admins enter the login view, students and admins must first enter the website view. This website is designed using a database that was created previously. There are several views resulting from the design of the program. Before students access it, students first create an account in the form of a username and password. Here is the view that has been designed:



Figure 6. Student Home Display



Figure 7. Account Registration Display

Figure 8. Student Login Display

Figure 9. Internship Registration Display

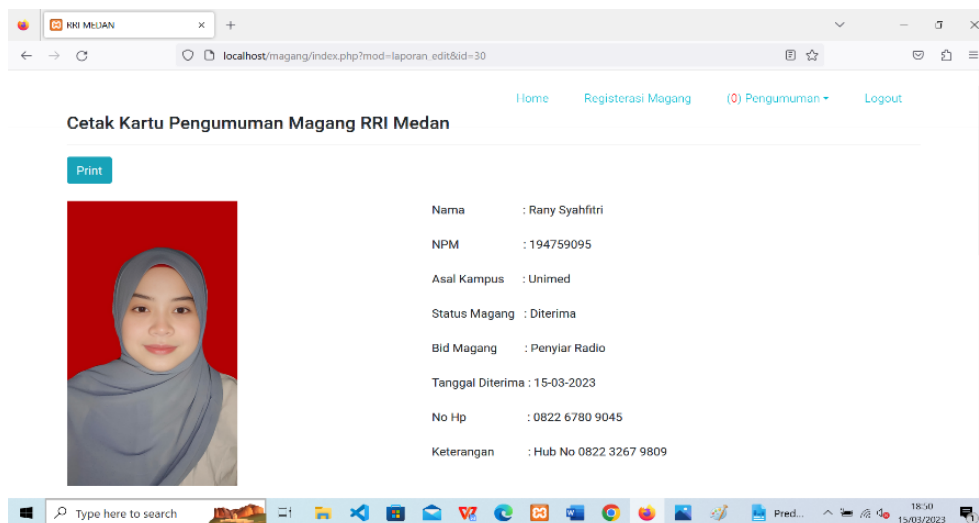


Figure 10. Internship Card Print View

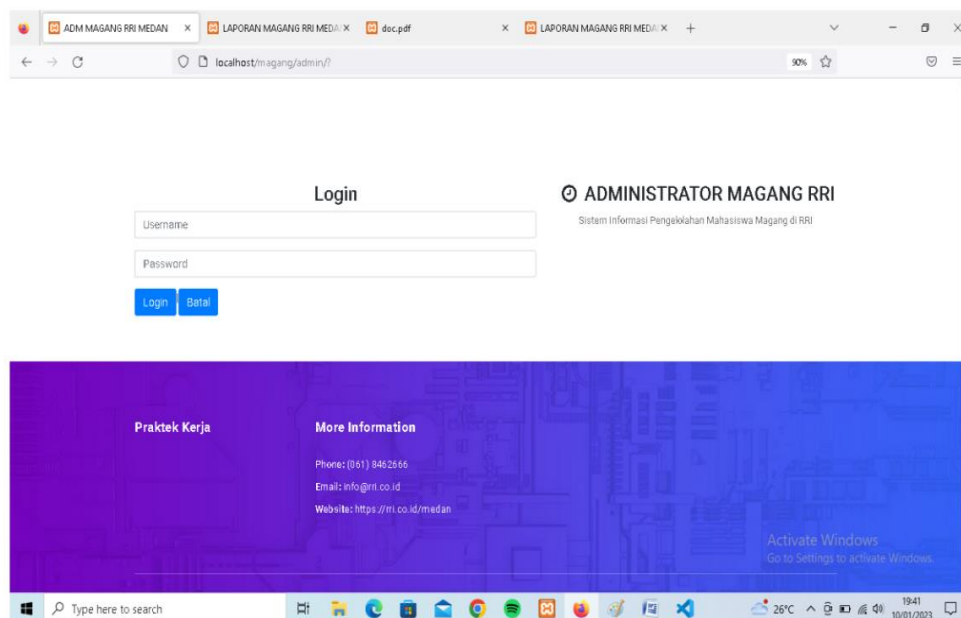
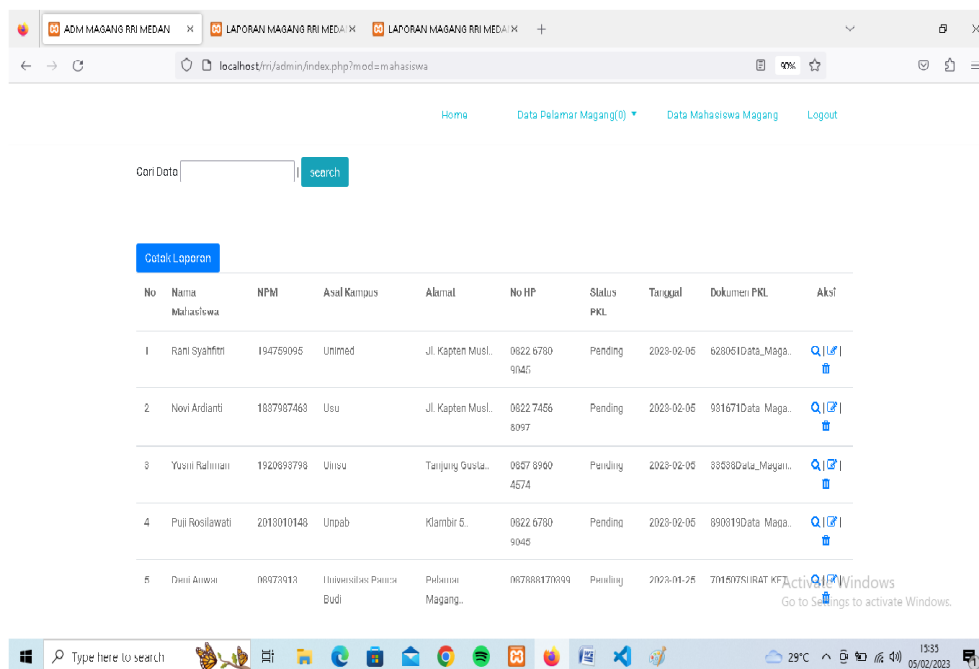


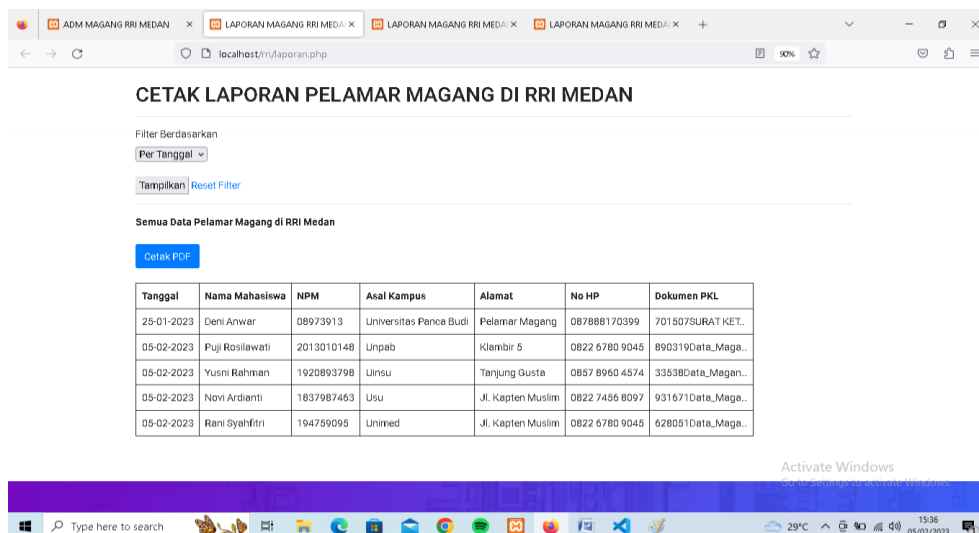
Figure 11. Login Admin Display



Cari Data

No	Nama Mahasiswa	NPM	Asal Kampus	Alamat	No HP	Status PKL	Tanggal	Dokumen PKL	Aksi
1	Rani Syahfitri	194759095	Unimed	Jl. Kapten Musl...	0822 6780 9045	Pending	2023-02-05	628051Data_Maga...	<a href="#">Q</a> <a href="#">U</a> <a href="#">I</a> <a href="#">D</a>
2	Novi Ardianti	1837987463	Usu	Jl. Kapten Musl...	0822 7456 8097	Pending	2023-02-05	931671Data_Maga...	<a href="#">Q</a> <a href="#">U</a> <a href="#">I</a> <a href="#">D</a>
3	Yusni Rahmani	1920893798	Uinsu	Tanjung Gusta...	0857 8960 4574	Pending	2023-02-05	33538Data_Megan...	<a href="#">Q</a> <a href="#">U</a> <a href="#">I</a> <a href="#">D</a>
4	Puji Rosilawati	2013010148	Unpab	Klambir 5.	0822 6780 9045	Pending	2023-02-05	890319Data_Maga...	<a href="#">Q</a> <a href="#">U</a> <a href="#">I</a> <a href="#">D</a>
5	Deni Anwar	08973913	Universitas Pance Budi	Pelamar Magang...	087888170399	Pending	2023-01-25	701507SURAT KET...	<a href="#">Q</a> <a href="#">U</a> <a href="#">I</a> <a href="#">D</a>

Figure 12. Intern Applicant Data Display



CETAK LAPORAN PELAMAR MAGANG DI RRI MEDAN

Filter Berdasarkan  
Per Tanggal

Semua Data Pelamar Magang di RRI Medan

Tanggal	Nama Mahasiswa	NPM	Asal Kampus	Alamat	No HP	Dokumen PKL
25-01-2023	Deni Anwar	08973913	Universitas Pance Budi	Pelamar Magang	087888170399	701507SURAT KET...
05-02-2023	Puji Rosilawati	2013010148	Unpab	Klambir 5	0822 6780 9045	890319Data_Maga...
05-02-2023	Yusni Rahman	1920893798	Uinsu	Tanjung Gusta	0857 8960 4574	33538Data_Megan...
05-02-2023	Novi Ardianti	1837987463	Usu	Jl. Kapten Muslim	0822 7456 8097	931671Data_Maga...
05-02-2023	Rani Syahfitri	194759095	Unimed	Jl. Kapten Muslim	0822 6780 9045	628051Data_Maga...

Figure 13. Print Applicants Internship Report

**Detail Data Pelamar Magang**

Home Data Pelamar Magang(0) Data Mahasiswa Magang Logout

Rani Syahfitri

194759095

Unimed

Status Penerimaan  
Diterima

Musukun Bid Magang

dd/mm/yyyy

Isi Keterangan

0822 6780 9045

Nama Dokumen : 296966Data\_Magang (1).pdf  
296966Data\_Magang (1).pdf

Pasphoto : 574218WhatsApp Image 2023-02-28 at 08.20.21.jpeg  
574218WhatsApp Image 2023-02-28 at 08.20.21.jpeg

Simpan

Figure 14. Data Validation of Applicants for Internships

**Detail Data Pelamar Magang**

Home Data Pelamar Magang Data Mahasiswa Magang Logout

Rani Syahfitri

194759095

Unimed

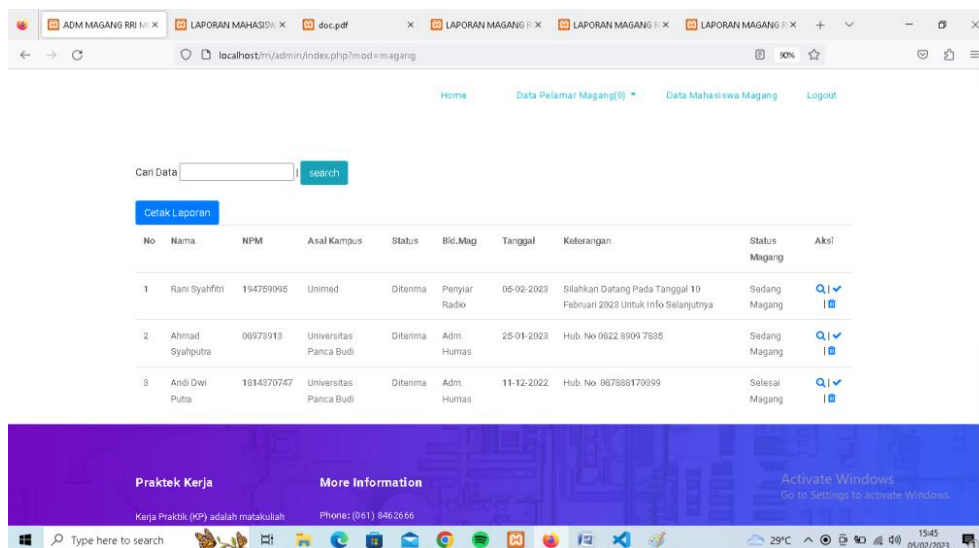
Jl. Kapten Muslim

0822 6780 9045

Nama Dokumen : 32318WhatsApp Image 2023-01-03 at 23.09.43 (1).jpeg

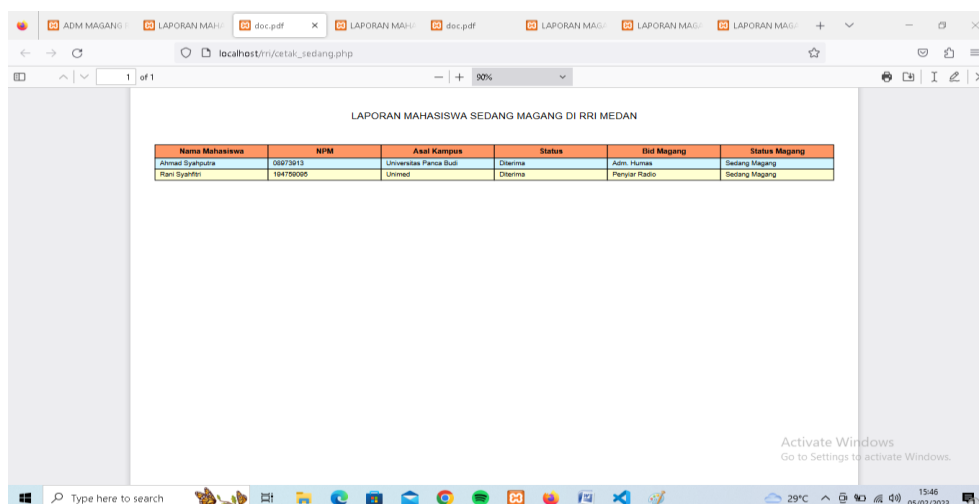
Kembali

Figure 15. Intern Applicant Data Details



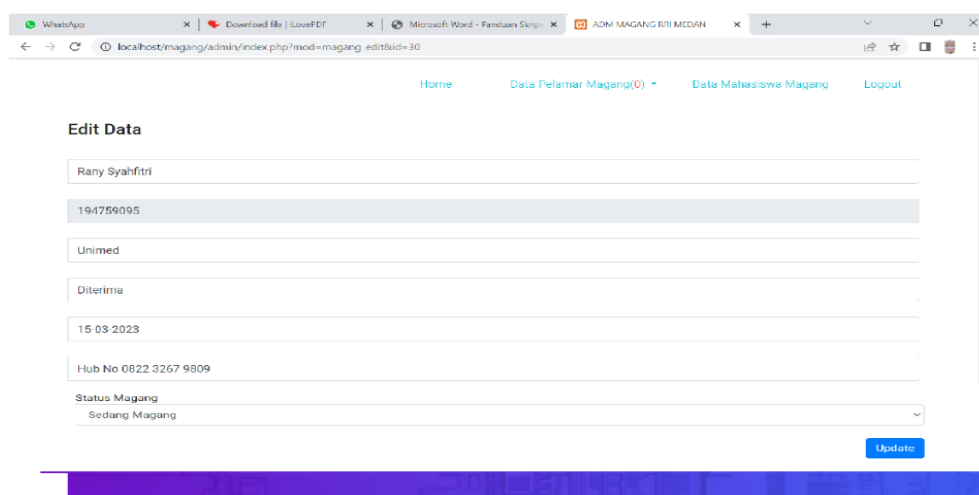
No	Nama	NPM	Asal Kampus	Status	Bid. Mag	Tanggal	Keterangan	Status Magang	Aksi
1	Rani Syahfitri	194759095	Unimed	Diterima	Penyiar Radio	05-02-2023	Silahkan Datang Pada Tanggal 10 Februari 2023 Untuk Info Selanjutnya	Sedang Magang	<a href="#">C</a> <a href="#">I</a> <a href="#">D</a>
2	Ahmad Syahputra	06973913	Universitas Panca Budi	Diterima	Adm. Humas	25-01-2023	Hub. No 0622 8909 7835	Sedang Magang	<a href="#">C</a> <a href="#">I</a> <a href="#">D</a>
3	Andi Dwi Putra	1814370747	Universitas Panca Budi	Diterima	Adm. Humas	11-12-2022	Hub. No. 067888170999	Selesai Magang	<a href="#">C</a> <a href="#">I</a> <a href="#">D</a>

Figure 16. Student Intern Data



Nama Mahasiswa	NPM	Asal Kampus	Status	Bid. Magang	Status Magang
Ahmad Syahputra	06973913	Universitas Panca Budi	Diterima	Adm. Humas	Sedang Magang
Rani Syahfitri	194759095	Unimed	Diterima	Penyiar Radio	Sedang Magang

Figure 17. Print Student Intern Report



**Edit Data**

Rani Syahfitri

194759095

Unimed

Diterima

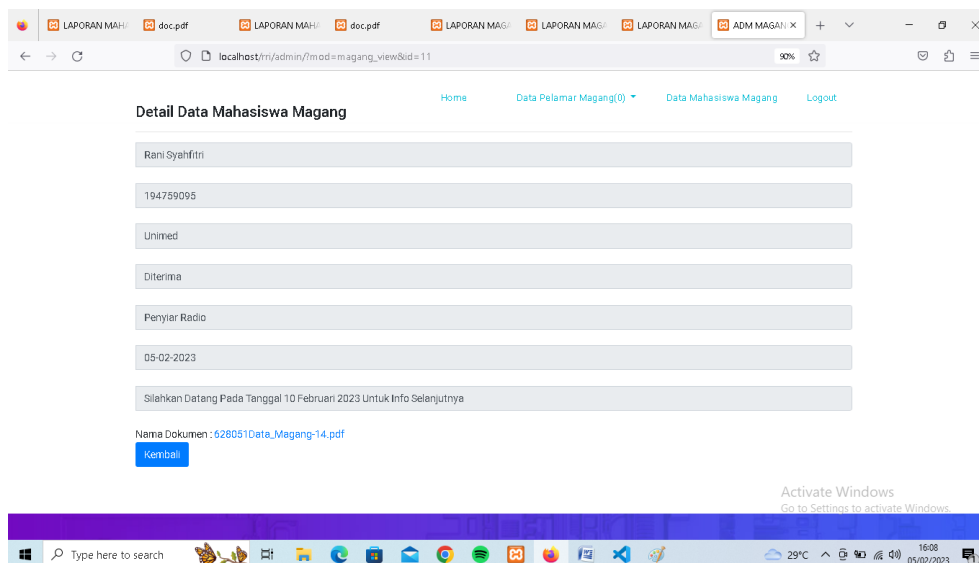
15-03-2023

Hub No 0622-3267-9809

Status Magang  
Sedang Magang

[Update](#)

Figure 18. Edit Intern Student Data



**Figure 19. Intern Student Data Details**

## Discussion

As for the results of system testing programs that are made, the testing process focuses on the internal logic of the software, ensuring that all statements have been tested, and on the functional externals ensuring that limited input will provide actual results that match the required results.

## Conclusion

Based on the discussion above "Information System for Acceptance of Internship Students at RRI Medan", it can be concluded from this thesis research are as follows:

1. Producing an information system for apprentice admissions at RRI Medan.
2. Having a website for accepting internship students makes it easier for students to register without having to come to RRI Medan.
3. The information system for accepting apprentice students at RRI Medan can provide appropriate information for apprentice students to be placed in the required internship fields at RRI Medan.

## References

Hendrawan, J., Perwitasari, I. D., & Arifin, D. (2023). DIGITALISASI USAHA MIKRO KECIL DAN MENENGAH DI DESA MELALUI APLIKASI KEDE DESA BERBASIS WEB. *Jurnal Jaringan Sistem Informasi Robotik (JSR) Vol, 7(1)*, 86–90.

- Juditha, C., & Darmawan, J. J. (2016). Terpaan Siaran Rri Dan Tvri Pada Masyarakat Diwilayah Perbatasan Ri-Timor Leste. *Jurnal Komunika : Jurnal Komunikasi, Media Dan Informatika*, 5(1), 19. <https://doi.org/10.31504/komunika.v5i1.635>
- Kausar arif. A Ambarita. (2016). Data Processing System Web-Based Medical Record in the. *IJIS-Indonesian Journal on Information System Journal on Information System*, 2(September 2016), 68–77.
- Marjuni, A., & Harun, H. (2019). Penggunaan Multimedia Online Dalam Pembelajaran. *Idaarah: Jurnal Manajemen Pendidikan*, 3(2), 194. <https://doi.org/10.24252/idaarah.v3i2.10015>
- Mertayasa, D. M., & Yambese, Abd. R. (2017). Sistem Informasi Pariwisata Pantai Berbasis Web. *Elektronik Sistem Informasi Dan Komputer*, 3(1), 51–61.
- Perwitasari, I. D., Hendrawan, J., & Putri, N. A. (2023). SISTEM INFORMASI WARTA DESA (SIWADA) DENGAN MENGGUNAKAN SMS GATEWAY PADA DESA KLAMBIR LIMA KEBUN. *Jurnal Indonesia: Manajemen Informatika Dan Komunikasi*, 4(2), 529–539.
- Suharyanti, C., Murtini, W., & Susilowati, T. (2015). Pengaruh Proses Pembelajaran dan Program Kerja Praktek Terhadap Pengembangan Soft Skills Mahasiswa. *Jurnal FKIP UNS*, 2(1), 1–118.