# Design of Website-Based Information System for Psychology Service Unit of Universitas Negeri Padang Using YII2 Framework

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| Article Information | ABSTRACT |
|---|---|
| | *The 21st century is characterized by the importance of information and data management in various fields of life. An institution should have an information system that supports the performance and effectiveness of the services provided. UPT Psychology Services State University of Padang is an applied psychology institution engaged in psychological services such as assessment centers, psychological tests, and recruitment. The information system at UPT-LP Padang State University has not been accommodated in one system. The problems that arise from the absence of a website-based information system are relationships with clients that only revolve around that, the flexibility and efficiency of clients who want to register are hampered by space and time, requests for online counseling that cannot be realized. Therefore, a website-based information system is needed to overcome existing problems. The website-based Psychology Service Unit system is designed using PHP programming, using the Yii2 framework as a library, Code Igniter as an online counseling chat feature, and using the OOP (Object Oriented Programming) method, MysQL as a database, JavaScript, AJAX, XAMPP, Visual Studio Code application as an editor. Based on the results of the UAT and Blackbox tests, it can be seen that the system is valid and runs as expected. The information system created provides facilities for registration of psychological services and online counseling services and provides information related to the profile of the UPT Psychology Services of Padang State University.* |

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## 1. INTRODUCTION

The advancement of the 21st century is characterized by the fast advancement of innovation, which in this century began to replace routine and repetitive jobs with machines. The 21st century is also characterized by the importance of information and data management in various fields of life. The use of technology has an impact on information systems like information notifications that were originally carried out directly resulting in the information being ineffective and inefficient, now by using information systems notifications can be seen using the website [1].

A system, derived from the Latin words "systēma" and "sustēma", is a collection of elements or components connected to encourage the stream of data, material, or energy to achieve a particular objective. Frequently, the term is utilized to potray set of substances that are interconnected with each other, which frequently permits for scientific 1modeling [2]-[3].

Web-based information system technology can be a tool to create a faster and more current information system[18]. An institution should have an information system that supports the performance and effectiveness of the services provided. UPT Psychology Services State University of Padang is an applied psychology institution engaged in psychological services such as assessment centers, psychological tests, and recruitment.

The information system at UPT-LP Padang State University has not been accommodated in one system. Based on the comes about of observations and interviews obtained from the Head of UPT-LP UNP, there are still several services and information that are carried out manually or directly, causing several problems that occur. The problems that arise from the absence of a website-based information system are client relationships that only revolve around that, the flexibility and efficiency of clients who want to register are hampered by space and time, requests for online counseling that cannot be realized.

Online counseling maybe a proficient counseling practice that happens when a authorized clinician work remotely and their interaction takes put through data innovation. This two-way communication, synchronous or asynchronous, can be used either independently or in place of conventional face-to-face communication [4].

Making a website is a solution to the obstacles that occur. The website built will contain various information and the latest news related to UPT-LP. In addition, there is also a registration feature for clients who want to register for available services, so that it will provide its own convenience for registrants. Furthermore, the addition of an online counseling feature is an answer to the problem of booming counseling requests that are rejected due to time constraints by psychologists.

As a storage place for complete information data, a database is needed. The concept of a database could be a collection of records or parts of data. A schema is a structured description of the types of events stored in a database. The software used to organize and contact database queries is known as a Database Management System or also often called

(DBMS) [5]. One of the foremost broadly utilized DMS applications is My Structured Query Language (MySQL), which allows websites to become more dynamic and multifunctional[20]. Apache is a web server application. Apache's main task is to create correct web pages for users based on PHP code written by web developers or users.[6]

The language used by developers uses the PHP language. PHP could be a scripting language created particularly for use on the web. It has highlights to program the assignments required to form energetic web applications and work with web servers [7]. PHP could be a exceptionally straightforward script since it has numerous references [17].

In Chinese, Yii is defined as "simple" and "evolutionary". In the information system to be designed, the developer uses the YII2 Framework. YII2 Framework is a PHP framework that is very popular among PHP developers and is open source. As a framework supporting the Model-View-Controller (MVC) design pattern that supports web development by handling application logic with the display interface, so that web development becomes more efficient and productive [8].

## 2. RESEARCH METHOD

### 2.1. Waterfall Method

The Waterfall strategy is broadly utilized since the approach of this strategy has an productive level of planning for program advancement. After determining user requirements, the planning stage begins, which includes planning, modeling, building, and delivering the system to users, along with fully produced software support[9]. The waterfall development model has several phases, specifically the planning phase to determine software requirements [16]. This analysis phase explains the picture regarding the system, system design phase, implementation phase, verification and maintenance testing and maintenance phase. Here's how these steps work:
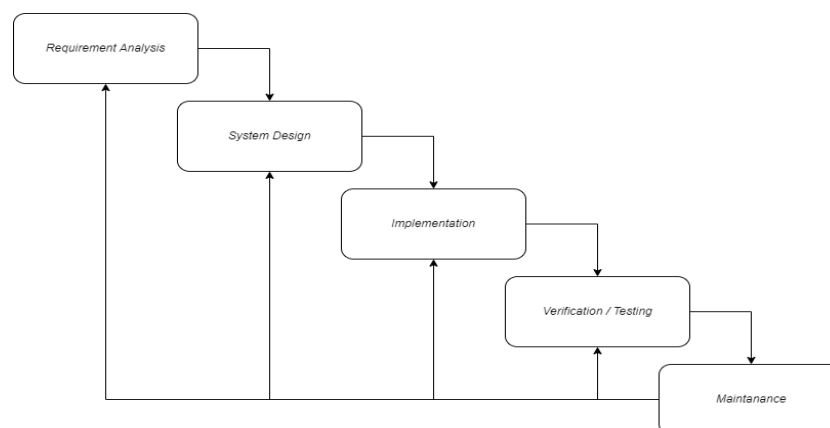


**Figure 1.** Waterfall Method (Source. [10])

Based on Figure 1. The waterfall method has 5 stages as follows:

1) Requirement Analysis

This stage aims to determine the activities that will be provided by the system. At the requirement analysis stage, the developer conducts a data assessment of the system to be designed using interviews and discussions with the manager of the Psychology Service Unit. Then the developer analyzes the needs that will be designed into a system.

2) System Design

This stage aims to find an overview of how the system will be built. At this stage the developer must focus on the architecture, UML design, data structure design and appearance that will be carried out in the design.

3) Implementation

This stage begins with writing the coding. Writing must be done as well as possible in order to form the desired system. At this stage the developer is required to have the expertise to improve the data structure without destroying the structure that has been created.

4) Verification

This stage aims to test the system that has been implemented. The system that has been made will be seen whether it is in accordance with the desired needs. If an error occurs, the system must be corrected. The input and output requirements in the system will be confirmed in accordance with existing needs.

5) Maintanance

This stage is the end of the waterfall method. The system that has been built will be maintained and repaired when errors occur caused by the system.

Unified Modeling Language (UML) could be a modeling language for paradigmatic object-oriented frameworks. Modeling is used to simplify complex problems and make them easier to understand and learn [19]. In designing a system, UML is used as a development or design pattern for object-oriented software. UML itself also provides standards for writing system blueprints, which include ideas about business processes, classes written in a specific programming languages, database mappings, and the necessary software system parts [11].

## 2.2. Entity Relationship Diagram

Because it is more adaptable and can potray complex systems in a basic way, ERD (Entity Relationship Diagram) is utilizied in its plan to model data structures and connections between data. [12]-[13]. The following figure shows the ERD of this system:

**Figure 2.** Entity Relationship Diagram

The picture above shows the ERD which will be used as a guideline in building this final project. The following is an explanation of the picture:

- The about entity as a symbol about which contains content and image. Users can see a brief profile of UPT.
- The article entity symbolizes the article. Users can see the initial appearance of an article.
- Article detail entity as a symbol of article details which includes content, tittle, image. Users can access the complete article.
- Entity contact as a symbol of contact which includes name, email, subject, body. Users can contact the contact listed if there are questions related to UPT.
- Entity team as a team symbol which contains name, position, image. Users can see the team involved in UPT.
- Team data entity as a symbol of team data which includes organization and education. Users can see the education history and activities that have been carried out by team members.
- Team detail entity as a symbol of team details which includes name, quotes, email, telephone, and image. Users can see the detailed biodata of team members.
- The form entity is a symbol of the available service forms such as child services, talent services, assemsent services and counseling services in which the client's name, service type, implementation date, consultation date, and telephone are included. However, in counseling services, the forms include name, gender, age, telephone, counseling date, counseling hours and a list of psychologists. Users can fill in the form provided if they want to register for the service.
- The service entity as a symbol of the available services such as child services, talent services, assessment services, and counseling services which include tiitle, content, and image. Users can see a description of the types of services available.
- Portfolio entity as a symbol of portfolio which includes an image. Users can see photos of activities that have been carried out by UPT.
- Counseling user entity as a symbol of counseling service users who, if they want to access this service, are required to register an account to connect to the chat.
- The block user entity symbolizes blocking another user.
- Entity messages symbolizes conversation messages that will occur when conducting online counseling.
- Entity user messages as a symbol of online counseling chat service users.

## 2.3. Use Case Diagram

Each use case shows a specification of the behavior (functionality) of the system that an actor needs to fulfill his or her purpose. Use case diagrams explain the context of

interaction between actors and the system visually [14]-[15]. Here is the use case diagram used in this study:
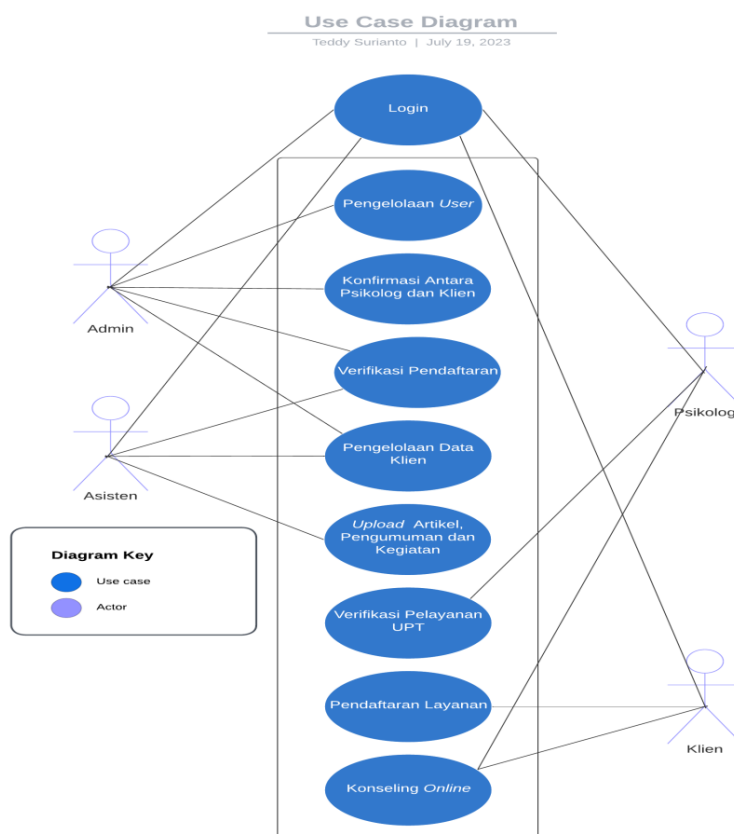


**Figure 3**. Use Case Diagram

Figure 3 explains that Administrator actors log in, manage users, confirm between psychologists and clients, verify registration and manage client data, Assistants log in, verify registration and upload articles, announcements and activities, Psychologists log in, verify UPT services and online counseling, Clients log in, register for services and online counseling. This online counseling is used by psychologists and clients to be able to conduct online counseling that has been provided by the web in helping client problems.

**Table 1.** Use Case Diagram Description

| No | User | Access Rights |
|----|------|---------------|
| 1 | Admin | -Login |
| | | -User Management |
| | | -Confirmation between Psychologist and Client |
| | | -Registration Verification |

| | | |
|---|---|---|
| 2 | Assistant | -Client Data Management<br>-Login<br>-Registration Verification<br>-Uploading Articles, Announcements and Activities |
| 3 | Psychologist | -Login<br>-Verification of UPT Services<br>-Online counseling |
| 4 | Client | -Login<br>-Service Registration<br>-Online Counseling |

In document analysis there are 2 stages, namely input document analysis and output document analysis. Input documents are documents entered by users into the system. The data used as input documents in this system is information data which is data related to clients who will register in the UPT system. For more subtle elements can be seen in table 2 underneath :

**Table 2.** Input Document Analysis

| No | Input Document | Related Users | Description |
|---|---|---|---|
| 1 | Information Data | Admin Assistant | Data containing information that will be provided to the recipient of the information. |
| 2 | Information Data | Client Psychologist Assistant | Data containing information provided to the UPT Psychology services, namely the admin and the Head of UPT. |

Input documents are documents entered by users into the system. The data used as input documents in this system is information data which is data related to clients who will register in the UPT system.

Output document analysis is all forms provided in the system that contain information from the results of data inputted into the system and information sent by the system to the user. This output document can be seen in table 3 below:

**Table 3.** Output Document Analysis

| No | Output Document | Description |
|---|---|---|
| 1 | Registration Form | Is an output document in the form of a service registration form at UPT which is grouped based on the needs required by the client. |
| 2 | Detailed Registration Form | This is an output document that contains detailed information related to registration forms such as: Psychological Test, Psychotherapy, Talent Development and Online Counseling. |

## 2.4. Activity Diagram

This Activity Diagram explains all the workflows that occur in the UPT system carried out by a user. This activity diagram is a development of a Use Case that has an activity flow[21].
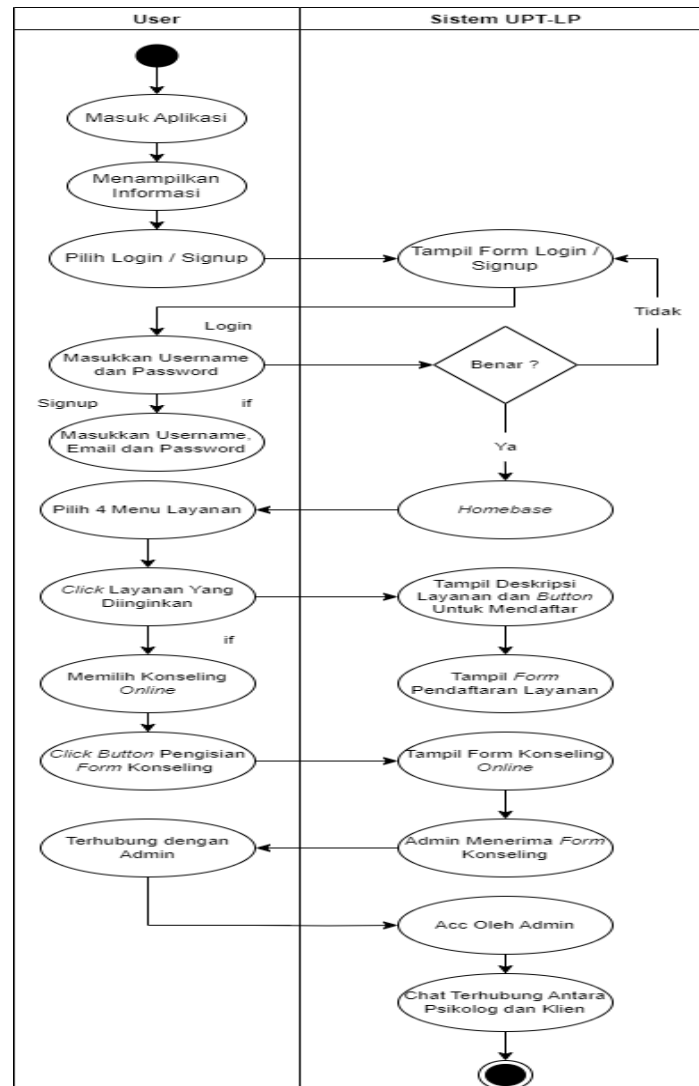


**Figure 4**. Activity Diagram

Figure 4 explains that based on the information that has been obtained, the management of the Psychology Service Unit of Padang State University is still done manually. Because of this, the author aims to create a website based on UPT Psychology Services information system that can assist UPT in managing online-based services.
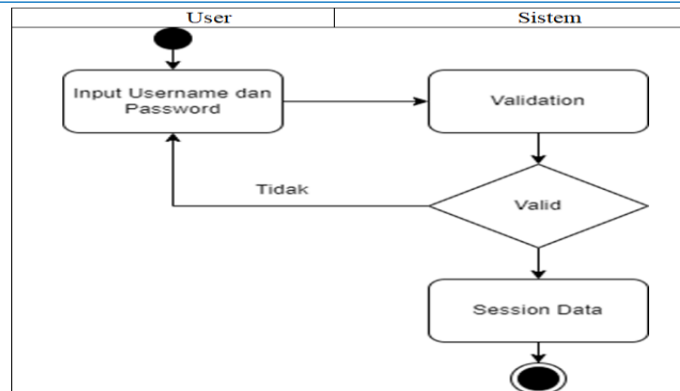
**Figure 5**. Activity Diagram Login

Figure 5 explains that in this login activity, each user must log into the system by entering a username and password. The username and password that has been inputted will first be checked for validity (validation) of the data entered by each user. If the data is valid, the system will create session data according to the access rights of each user. If it is invalid, the user must repeat the process again.
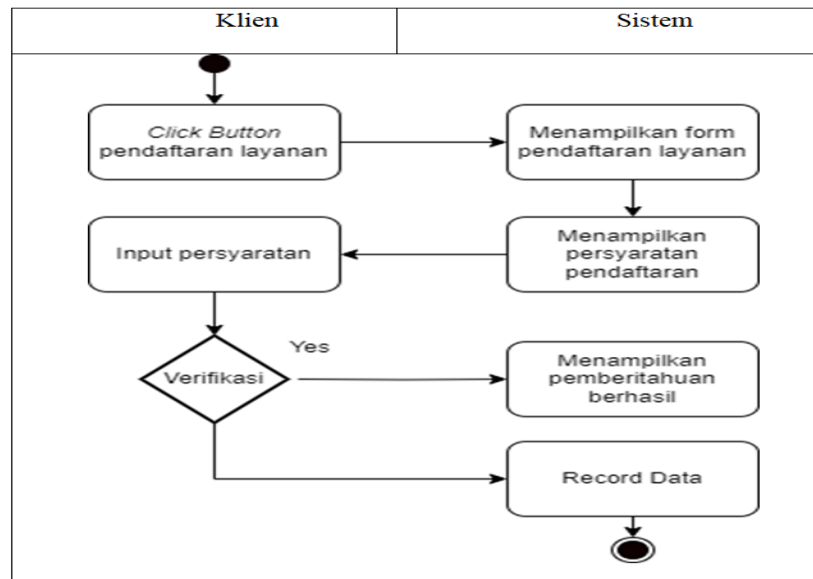


**Figure 6**. Service Registration Activity Diagram

Figure 6 explains the activities carried out by the client actor, when the client wants to register for services to meet with a psychologist using the system.
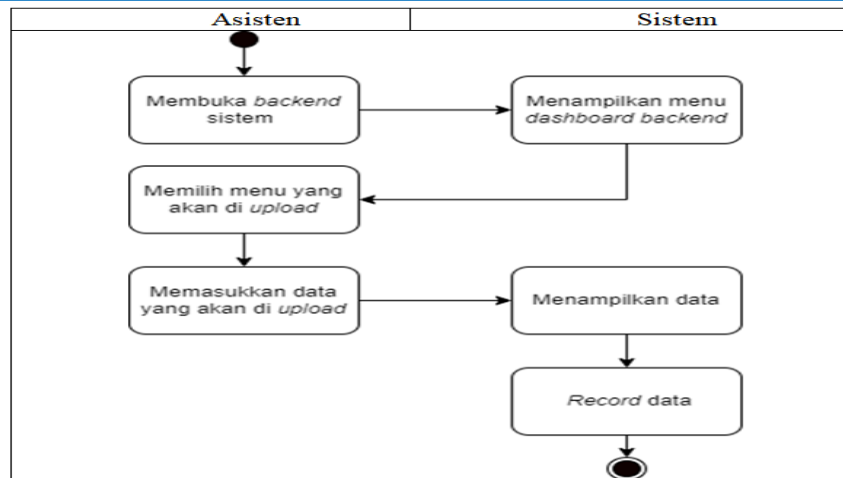
**Figure 7**. Activity Diagram Upload

Figure 7 explains that client actors perform service registration activities into the system, then the system displays the service registration form and also displays the service registration requirements. Then after the client uploads the requirements and registers, the system will record the data that has been uploaded by the client.

## 2.5. Sequence Diagram

A sequence diagram is a diagram that depicts object interactions based on time sequence. Sequence can describe the sequence or steps that must be taken to create something as shown in the use case diagram[22].
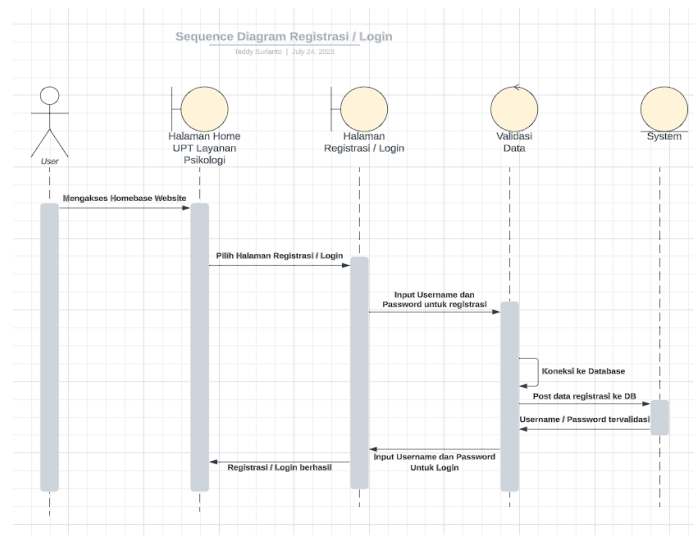


**Figure 8**. Sequence Diagram Register and Login

Figure 8 explains register in the context of an application or system can refer to the process of registering users or members. This registration process usually involves new users or members who want to create an account or join the system. Login makes the system more secure and the data of each user will be protected. The average login uses a username and password. If the username and password match, then the user will be allowed to log in and can register for services.
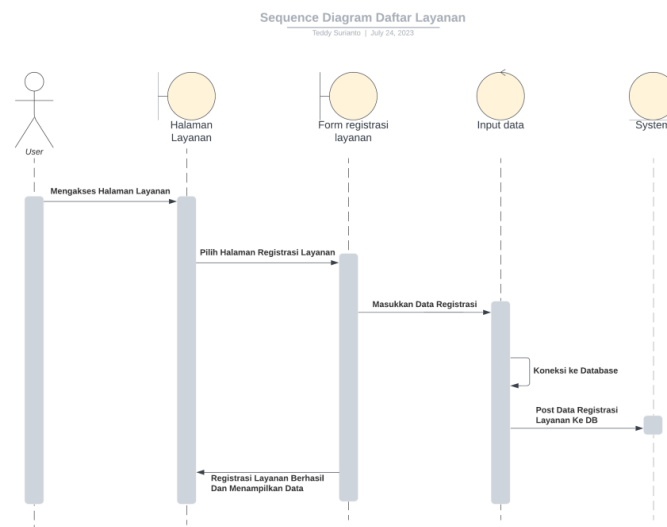


**Figure 9**. Service Registration Sequence Diagram

Figure 9 explains this diagram can illustrate how users or clients register themselves to use certain services.
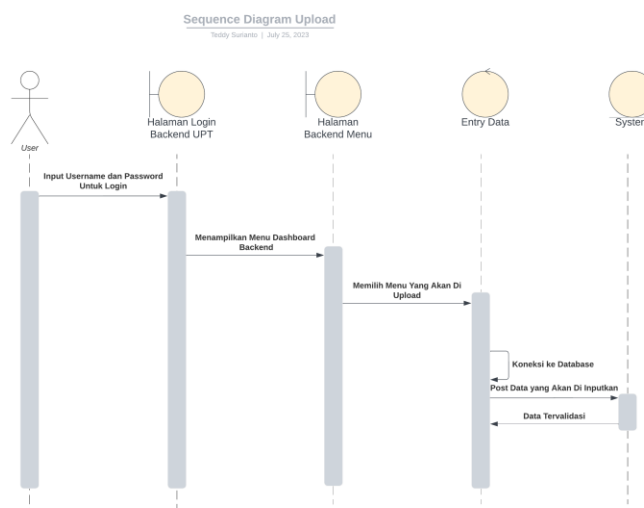


**Figure 10**. Sequence Diagram Upload

Figure 10 explains This diagram depicts an admin who can upload data or files into the UPT system.

### 2.6. Program Testing Design

The program test design is every design that will be tested in the system. Here are some units that will be tested:

**Table 3.** User Acceptance Testing

| No | Modul | Unit | Testing Results | |
|----|-------|------|------------|---------------|
| | | | Successful | Not Successful |
| 1 | *Login* | 1. Entry form<br>2. Login process | | |
| 2 | CRUD About | 1. CRUD form<br>2. Data entry process about<br>3. Edit form about<br>4. Deleting data about<br>5. About page display | | |
| 3 | CRUD Assessment Service | 1. CRUD Form<br>2. Assessment service data input process<br>3. Assessment service edit form<br>4. Delete assessment service<br>5. Assessment service display page | | |
| 4 | CRUD Child's Service | 1. CRUD form<br>2. Child service data input process<br>3. Child service edit form<br>4. Delete child services<br>5. Child services display page | | |
| 5 | CRUD Talent Service | 1. CRUD form<br>2. Talent service data input process<br>3. Talent service edit form<br>4. Delete talent service<br>5. Talent service display page | | |
| 6 | CRUD Counseling Service | 1. CRUD form<br>2. The process of inputting counseling service data<br>3. Counseling service edit form<br>4. Delete counseling services<br>5. Counseling service display page | | |
| 7 | CRUD Activities | 1. CRUD form<br>2. Activity data input process<br>3. Activity edit form<br>4. Delete activity<br>5. Activity display page | | |
| 8 | CRUD Team | 1. CRUD form<br>2. Team data entry process<br>3. Team edit form<br>4. Delete team | | |

|   |   | 5. | Team display page |
|---|---|---|---|
| 9 | CRUD Detail Team | 1. | CRUD form |
|   |   | 2. | Team detail data input process |
|   |   | 3. | Team detail edit form |
|   |   | 4. | Delete team details |
|   |   | 5. | Team details display page |
| 10 | CRUD Data Team | 1. | CRUD form |
|   |   | 2. | Team data entry process |
|   |   | 3. | Team data edit form |
|   |   | 4. | Delete team data |
|   |   | 5. | Team data display page |
| 11 | CRUD Article | 1. | CRUD form |
|   |   | 2. | Article data input process |
|   |   | 3. | Article data edit form |
|   |   | 4. | Delete article data |
|   |   | 5. | Article data display page |
| 12 | CRUD Article Details | 1. | CRUD form |
|   |   | 2. | Article detail data input process |
|   |   | 3. | Edit article detail data |
|   |   | 4. | Delete article detail data |
|   |   | 5. | Article detail data display page |
| 13 | CRUD Registration Form | 1. | CRUD form |
|   |   | 2. | Form data export process |
|   |   | 3. | Form data delete & edit process |
| 14 | CRUD Contact | 1. | CRUD form |
|   |   | 2. | Contact data page display |

User Acceptance Testing (UAT) is a test that aims to ensure that the application is able to fulfill the components in business documents and is able to be accepted by users. The purpose of UAT is to ensure that the software is ready for use and able to meet the needs of the business and end users.

**Table 4.** BlackBox Testing

| | **Blackbox Testing Admin Login Page** | | | | |
|---|---|---|---|---|---|
| **No** | **Test Scenario** | **Test Care** | **Expected Results** | **Testing Results** | **Conclusion** |
| 1. | Type in the username and password that are not already filled in, then click the Login button. | Username : ( Blank )<br><br>Password : ( Blank ) | The system gives a rejection and displays the message<br><br>"Username & Password cannot be blank" | Expected | Valid |
| 2. | Type in the username and password that are not already filled in, then click the Login button. | Username : admin<br><br>Password : ( Blank ) | The system gives a rejection and displays the message<br><br>"Password cannot be blank" | Expected | Valid |
| 3. | Type in the username and password that are not already filled in, then click the Login button. | Username : ( Blank )<br><br>Password : admin | The system gives a rejection and displays the message<br><br>"Username cannot be blank" | Expected | Valid |

| | | | | |
|---|---|---|---|---|
| 4. | Type in the username and password that are not already filled in, then click the Login button. | Username : adm<br><br>Password : adm1234 | The system gives a rejection and displays the message<br><br>"Incorrect username or password" | Expected | Valid |
| 5. | Type in the username and password that have all been filled in correctly, then click the Login button. | Username : admin<br><br>Password : admin | The system accepts login access and then displays the Admin main page | Expected | Valid |

| **Blackbox Testing User Login Page** | | | | |
|---|---|---|---|---|
| 1. | Type in the username and password that are not already filled in, then click the Login button. | Username : ( Blank )<br><br>Password : ( Blank ) | The system gives a rejection and displays a message<br><br>"Username & Password cannot be blank" | Expected | Valid |
| 2. | Type in the username and password that are not already filled in, then click the Login button. | Username : user1<br>Password : ( Blank ) | The system gives a rejection and displays a message<br><br>"Password cannot be blank" | Expected | Valid |
| 3. | Type in the username and password that are not already filled in, then click the Login button. | Username : ( Blank )<br><br>Password : 12345 | The system gives a rejection and displays a message<br><br>"Username cannot be blank" | Expected | Valid |
| 4. | Type in the username and password that are not already filled in, then click the Login button. | Username : user1<br><br>Password : user1234 | The system gives a rejection and displays a message<br><br>"Incorrect username or password" | Expected | Valid |
| 5. | Type in the username and password that are not already filled in, then click the Login button. | Username : ( teddy26 )<br><br>Password : ( teddy1234 ) | The system accepts login access and then displays the main page of the website and can register for services. | Expected | Valid |

| **Blackbox Testing of Psychological, Psychotherapy & Talent Development Form Page** | | | | |
|---|---|---|---|---|
| 1. | Fill in the Client's Name, Type of Service, Planned Implementation Date, Consultation Plan, WA Contact / Cellphone Number, then click the Register button | Clicking Register without filling in any data | The system rejects and shows a message<br><br>"Name, Type of service, Planned implementation date, Consultation plan, WA contact cannot be blank" | Expected | Valid |
| 2. | Fill in the Client's Name, Type of Service, Planned Implementation Date, | Clicking Register without | The system rejects and shows a message | Expected | Valid |

| | | filling in phone and address | "Address & Phone cannot be blank" | | |
|---|---|---|---|---|---|
| 3. | Fill in the Client's Name, Type of Service, Planned Implementation Date, Consultation Plan, WA Contact / Cellphone Number, then click the Register button | Click Register by filling in the complete and correct data | The system accepts service registration access and will then enter the backend of the UPT admin system. | Expected | Valid |
| **Blackbox Testing of Online Counseling Form Page** | | | | | |
| 1. | Fill in your Name, Gender, Age, Address, Phone, Register a Psychologist, then click the Register button. | Click Register by filling in the complete and correct data | The system will reject and display a message<br><br>"Name, Gender, Age, Address, Phone, List of Psychologists cannot be blank" | Expected | Valid |
| 2. | Fill in your Name, Gender, Age, Address, Phone, Register a Psychologist, then click the Register button. | Press the Register button without writing the phone and address | The system will reject and display a message<br><br>"Address & Phone cannot be blank" | Expected | Valid |
| 3. | Fill in your Name, Gender, Age, Address, Phone, Register a Psychologist, then click the Register button. | Press the Register button and fill in the complete and correct data | The system confirms service registration and will enter the backend of the UPT admin system. | Expected | Valid |

Blackbox testing or it can too be called Behavioral Testing may be a test conducted to watch the input and yield comes about of the program without knowing the code structure of the computer program. This test is carried out at the conclusion of making program to discover out whether the program can work legitimately. In testing the program in this UPT application, there are several tests, namely: admin login page, user login page and registration form page where the results of all tests are as expected.

## 3. RESULTS AND DISCUSSION

The taking after are the comes about of the design that has been made by the developer on the Website-Based Information System Design of the Psychology Service Unit at Padang State University using the YII2 Framework.

## 3.1. Application Design Results



**Figure 11**. Home Page

Figure 11. The frontend main page or UI refers to the first page or front view of a web that is displayed to users. This page is the starting point where users usually first interact with the website.
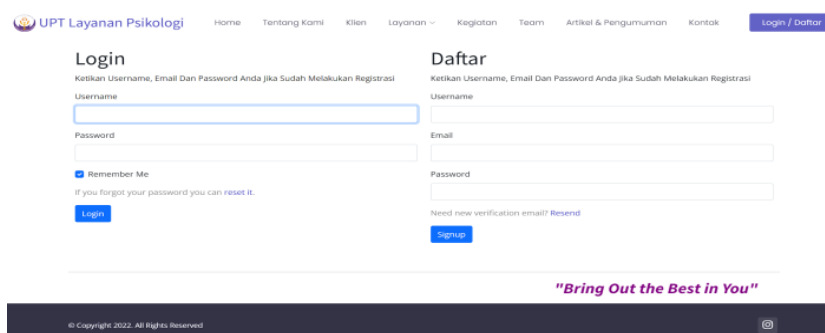


**Figure 12.** Login and Register

Figure 12. The register page is a page or interface used in an application, website, or system to allow new users to create an account or register for available services by using a username and password. A login page is a user interface or part of an application, website, or system that allows users who already have a registered account to log in or use their account by using a username, email, and password.
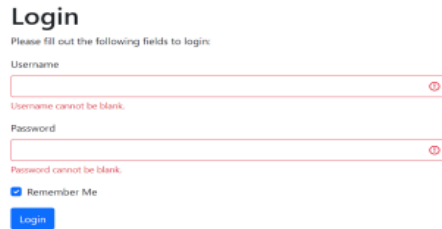
**Figure 13.** Admin Login Page

Figure 13. The login page is the main backend access page for adminstrators. This page allows access to the system using the previously created username and password.
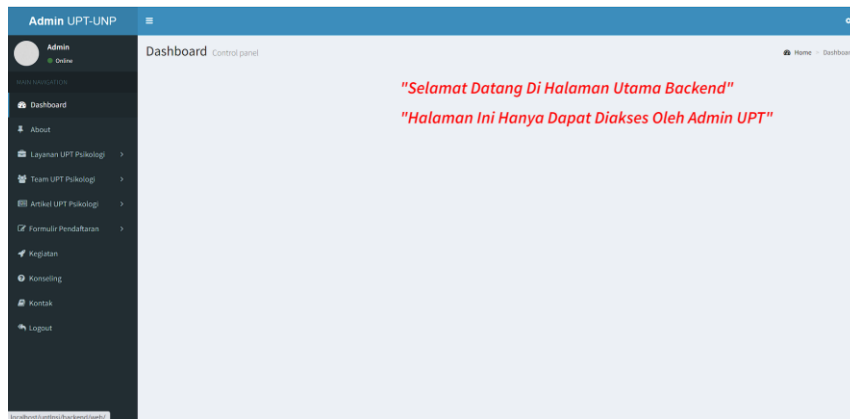


**Figure 14**. Admin Main Page

Figure 14. The administrator's main page displays a menu that can be accessed by accounts that have administrative access. In this menu, administrators can make changes on the website, such as adding about, services, teams, articles, can view the account forms that have registered, activities, counseling, and view the contact contents of accounts that ask questions related to UPT.
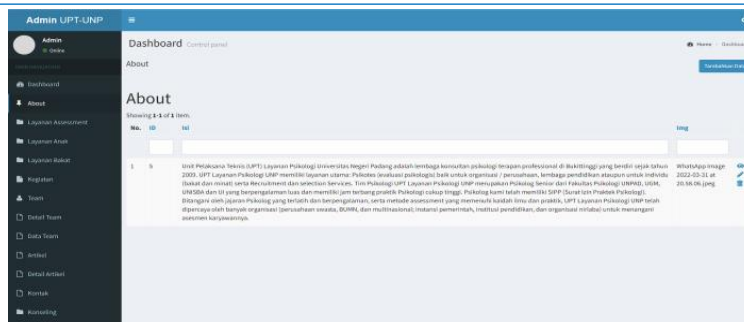
**Figure 15.** About page

Figure 15. This page is used to add about which contains content about UPT Layanan Psikologi and supporting images related to UPT.
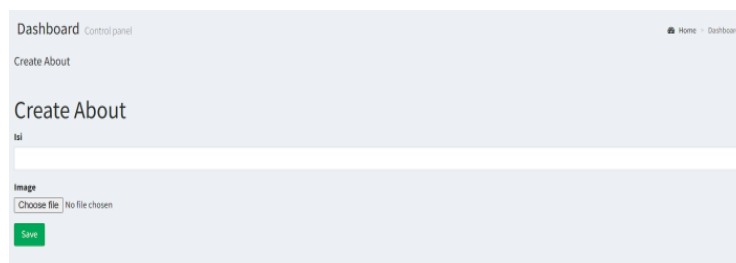


**Figure 16.** About Form Page

Figure 16. This page is a form page to fill in or add items that you want to add in the form of content and images.
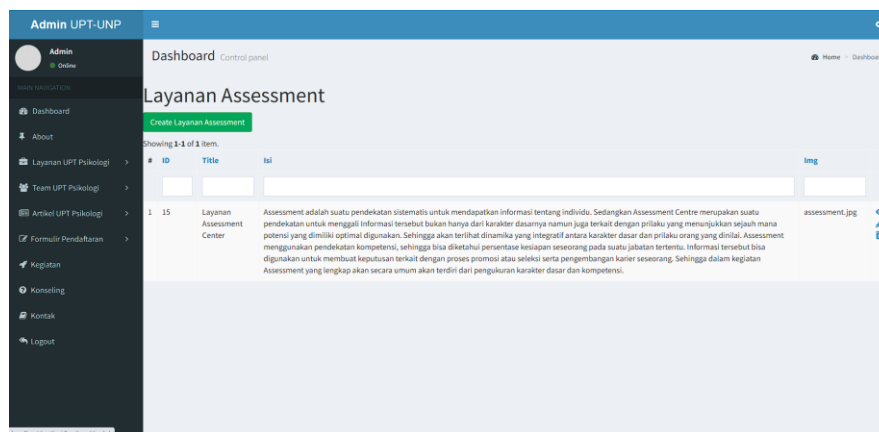


**Figure 17.** Main Page of Assessment Service

Figure 17. The assessment service page is used to display explanations related to services contained in UPT, especially in assessment services, which contain titles, contents and images.



**Figure 18.** Assessment Service Form Page

Figure 18. This page is used as a form to fill in or add content to the website which will be filled in by an administrator by filling in the title, content, and also related images.



**Figure 19.** Children's Services Page

Figure 19. This page is the same as other registration pages such as assessment services and talent services by filling in the title, content and image.



**Figure 20.** Children's Services Form Page

Figure 20. A page used to add content related to child services inputted by an administrator.
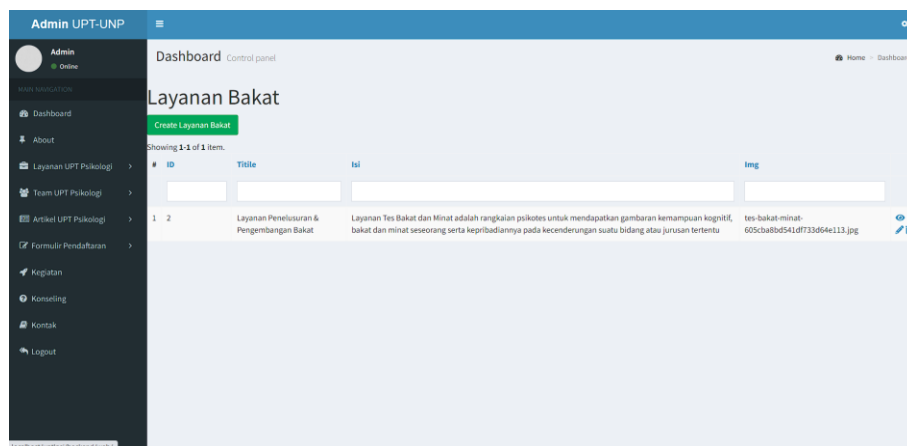


**Figure 21.** Talent Service Page

Figure 21. This page is the same as the assessment service and child service where this page will be displayed on the frontend that has been entered by an administrator.
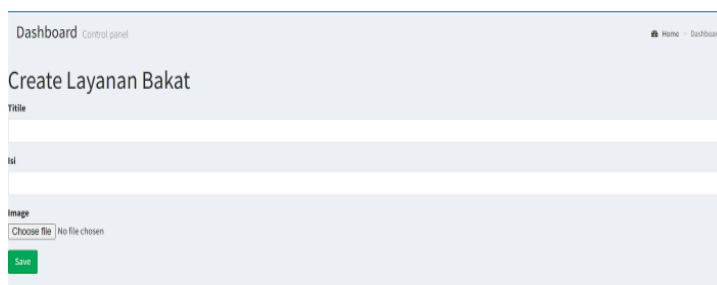


**Figure 22.** Talent Service Form Page

Figure 22. This page is used to enter data that will be displayed on the frontend by an administrator.
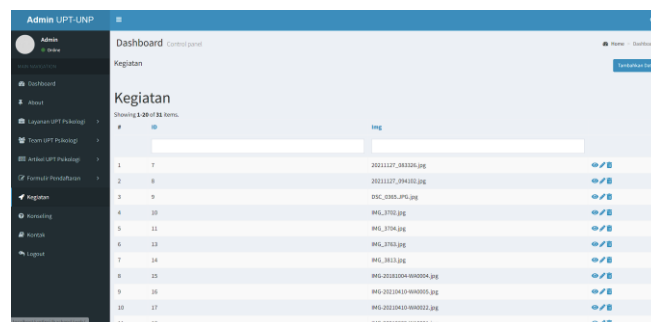


**Figure 23.** Activity Page

Figure 23. This page contains activities carried out by UPT, where this page only displays photo documentation that has been carried out by UPT.
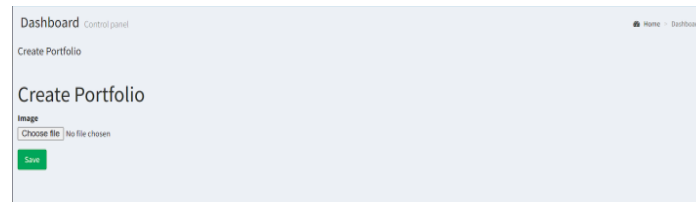


**Figure 24.** Portfolio Form Page

Figure 24. This page only inserts images that are done by an administrator.
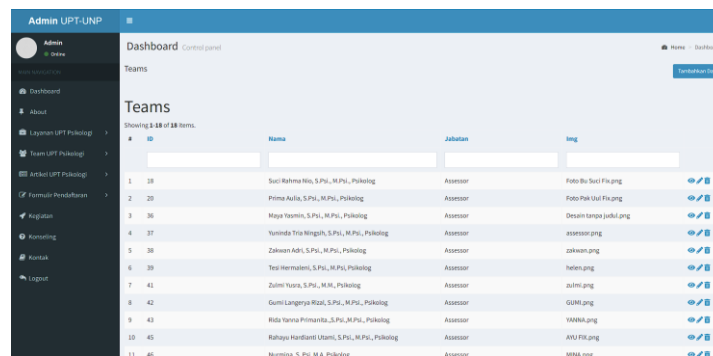


**Figure 25.** Team page

Figure 25. This page contains the name of the assessor who is in UPT along with a complete profile related to the assessor.
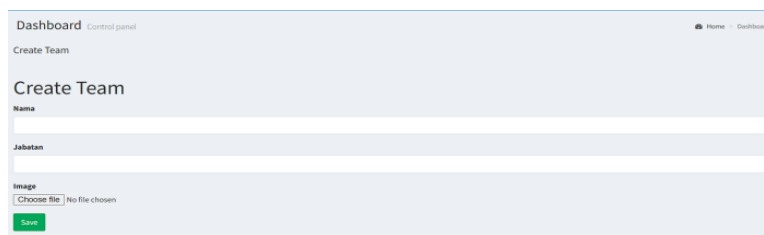


**Figure 26**. Team Form Page

Figure 26. This page is used to add content related to the team that will be entered by the adminstrator in the form of name, position, and image.
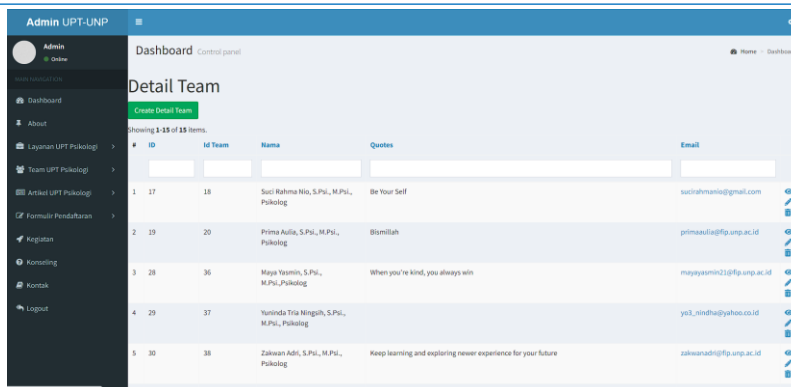
**Figure 27.** Team Detail Page

Figure 27. This page is a foreign key from the previous page where this page will open a new page containing quotes and also emails from assessors.
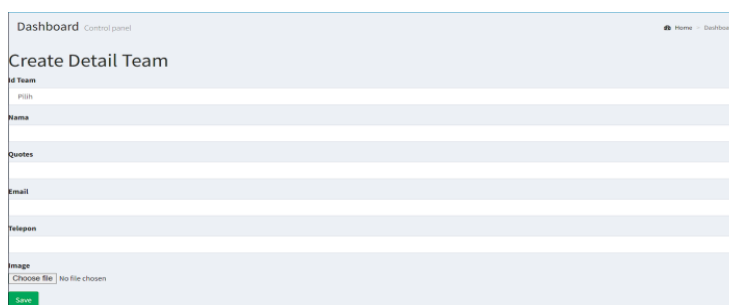


**Figure 28.** Team Detail Form Page

Figure 28. This page is where the foreign key is entered by selecting the team id where the team id contains the assessor's name and will be bound to the primary key.
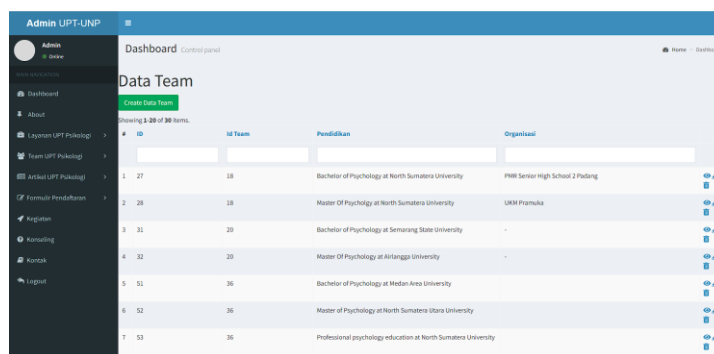


**Figure 29.** Team Data Page

Figure 29. This page also uses a foreign key which connects to the primary key, namely the team table by entering the team id, it will bind the two keys.

**Figure 30.** Team Data Form Page

Figure 30. This page is used to enter several things, namely education and organization by selecting the team id which has been bound to the primary key and foreign key.
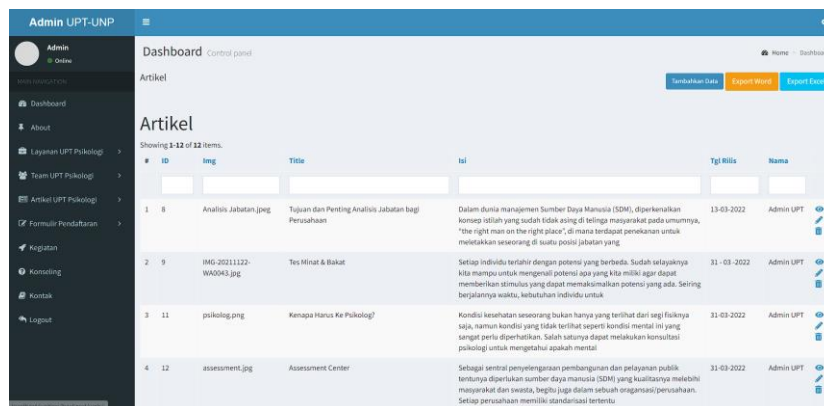


**Figure 31.** Article page

Figure 31. This page is an article page where the function of this page is to distribute articles and announcements within the scope of UPT.
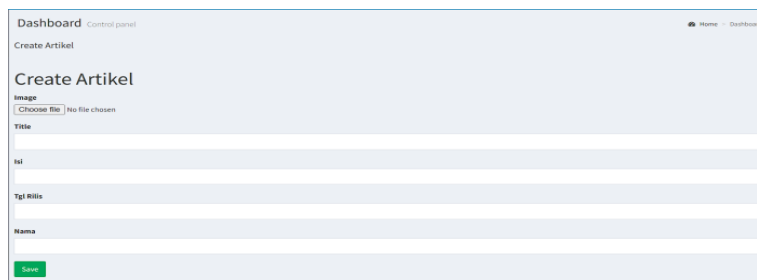


**Figure 32.** Article Form Page

Figure 32. This page serves as a place to enter the contents of articles and announcements where the administrator will enter the image, title, content, release date, and name.
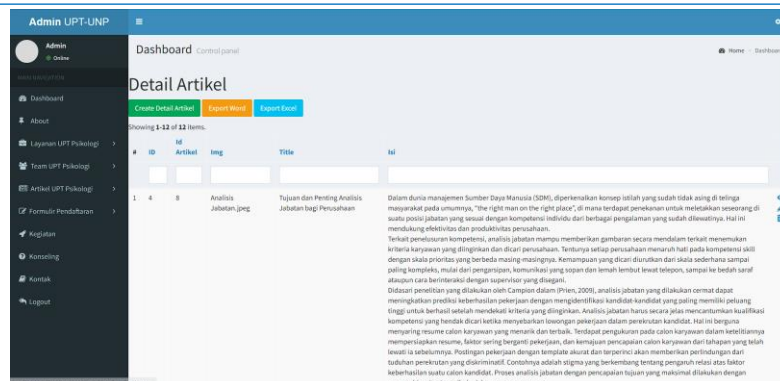
**Figure 33.** Article Detail Page

Figure 33. This page is a page that uses a foreign key with the previous page, this page is used to go to the next page which is more complete in discussing an article.
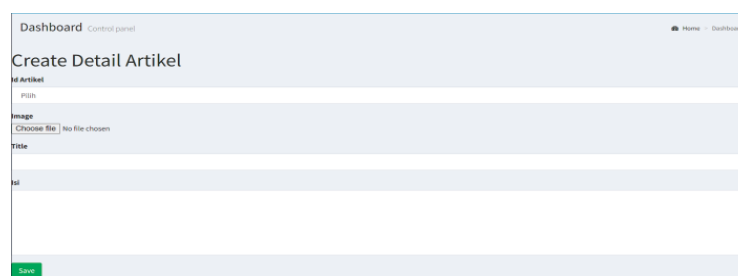


**Figure 34.** Article Detail Form Page

Figure 34. This page is a form to enter an article detail using the article id that has been bound to the primary key from the previous page which will pull an id contained in the article page.
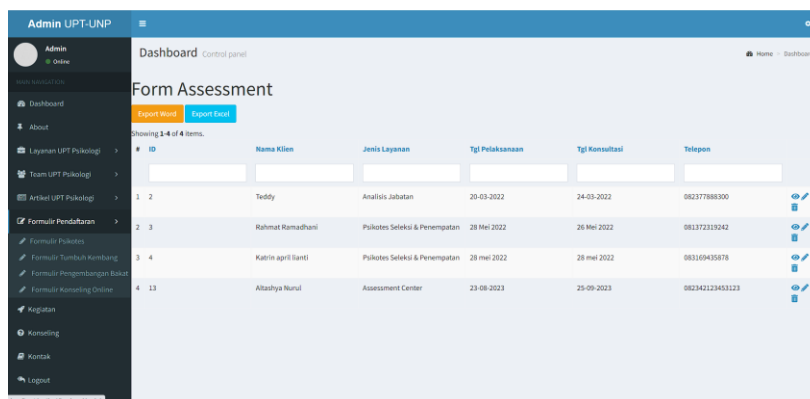


**Figure 35.** Registration Form

Figure 35. This page is a service registration page used for an account to register, such as assessment services, growth and development services, talent development services and online counseling. In this form there are 5 points, namely name, type of service, implementation date, consultation date and telephone if the account has registered, it will enter the registration form and can be exported using word and excel.
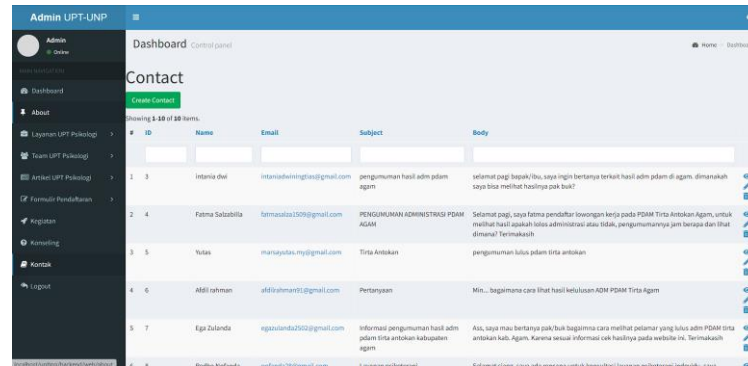


**Figure 36.** Contact page

Figure 36. The contact page is used by clients to ask questions and provide suggestions to the Psychology Service Unit.
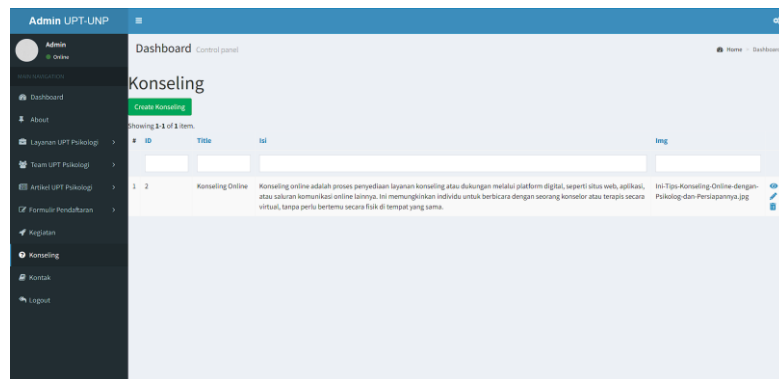


**Figure 37.** Counseling Page

Figure 37. This page discusses online counseling and can conduct online counseling with available assessors by registering with the service and will be directed to the online chat page.
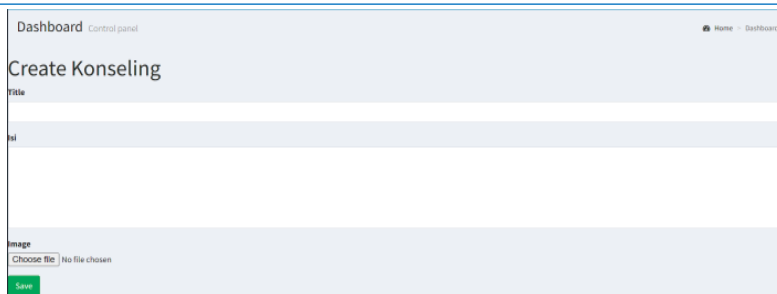
**Figure 38.** Counseling Form Page

Figure 38. This page is a form used by an administrator to update about online counseling by filling in the title, content and image.



**Figure 39.** Counseling Login Page

Figure 39. This page will appear after the account has successfully registered in online counseling, and on this page the account will create a new account first to be able to conduct online counseling with the assessor.



**Figure 40.** Counseling List Page

Figure 40. This page is used to register an account which must fill in your full name, email, password, and display a photo if you want.
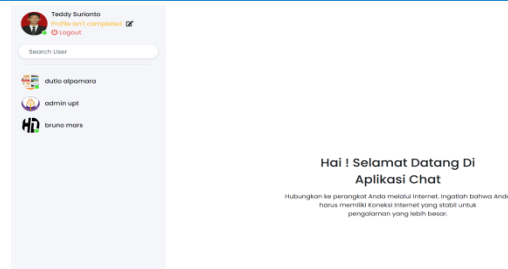
**Figure 41.** Chat page

Figure 41. This page is an online chat page with admin and assessors, where you can see the assessors in UPT and can do online counseling.



**Figure 42.** Client Profile Update Page

Figure 42. This page is a user account profile update page if you want to update it and it is not a requirement.

## 4. CONCLUSION

Based on the comes about gotten, the taking after conclusions can be drawn:
1) The end result of this project is the UPT Information System for web-based Psychology Services at Padang State University which aims to provide access and convenience for UPT to provide the latest information and provide online counseling services for the general public and clients as service users.
2) The website-based Psychology Service Unit system is designed using PHP programming, using the Yii2 framework as a library, CodeIgniter as an online counseling chat feature, and using the OOP (Object Oriented Programming) method, MySQL as a database, JavaScript, AJAX, XAMPP, Visual Studio Code application as an editor.

3) The website has been tested using UAT and Blackbox, the results of which show that all systems run properly so that this website is suitable for operation.

The recommendation after designing and making the Information System Design UPT Psychology Services State University Padang Website Based Using YII2 Framework are as follows:

1) It is hoped that in the future the UPT Information System for Psychology Services at Padang State University can generate notifications for the admin when a client has finished filling out the service registration form.

2) It is hoped that in the future the online counseling chat can add a time limitation feature so that the ongoing activities can run more efficiently and in accordance with the provisions.

3) It is hoped that in the future the UPT Information System for Psychology Services at Padang State University can be developed into an Android-based application.

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