DESIGNING A WEBSITE-BASED WOMEN DKI JAKARTA PRE PON FUTSAL ATHLETE SELECTION ASSESSMENT APPLICATION USING THE CODEIGNITER FRAMWORK METHOD

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ABSTRACT

In the selection of women's PON futsal athletes for the DKI Jakarta contingent, the selection process is assessed based on the coach's assessment which includes the results of physical tests and practical tests on playing futsal as well as other supporting tests. The assessment process is still carried out manually and implemented with the help of Excel. so that the selection requires a multi-criteria decision support system for more objective results. The software used in this research is PHP Native software. The data analysis method used in this research is the CodeIgniter framework method with a system. It is hoped that this online assessment of Female Futsal Athletes will be helpful and beneficial for Asprov and Coaches, as well as all those related to the system. As well as the application for assessing female futsal athletes, which is carried out online, can help the Asprov DKI Jakarta admin and coaches because this application can carry out assessments accurately. Computerized data can make it easier for Asprov and coaches to check athlete data and assess athletes in storing data and searching for student data.
Keywords: PON Athlete Selection, Website, MySql Hypertext Preprocessor, CodeIgniter Framework Method.

INTRODUCTION

Advances in information technology are increasingly expanding in all aspects of human life. In everyday life, people often face problems regarding judgment makers. The size of the risk posed depends on the decision that has been taken. Nowadays, many people no longer look for alternatives for their own assessment, but instead use a system. Even in the world of sports, sports players often face the problem of selection assessment.

Sport is one of the activities carried out to improve a person's physical fitness. There are many types of sports that a person can do according to their abilities and talents. Various kinds of sports are starting to be developed in Indonesian society, one of which is women's futsal. Futsal is an indoor soccer sport where there are 5 players in one team. The size of the futsal field itself is relatively smaller, namely 26 x 16 meters for national standards and 40 x 20 meters for international standards.

National Sports Week (PON) is a national sports event in Indonesia which is held every 4 years and is attended by all provinces in Indonesia. Futsal is one of the sports that will be competed in this national sports week. Each Province will send its best team to this event, as well as the DKI Jakarta Women's Futsal Team must send its best representatives to become champions considering that this time PON women's futsal is Women's Futsal which is being held as an opening or is being held for the first time by PON. In this case, the role of the coach is very vital in selecting athletes to fill the core women's futsal team. This requires coaches to be careful in looking at an athlete's talent and determining a position that suits his abilities. Not only looking at skill factors, there are other factors that determine whether an athlete can be included in the main team, one of which is mental. Mentality is an important factor in a match apart from technical ability or skill itself. An athlete who has

above average abilities but lacks mental ability can disrupt the team's performance when competing. Therefore, athletes must have a good mentality in the competition so that each athlete can work together to achieve victory.

In the selection of women's PON futsal athletes for the DKI Jakarta contingent, the selection process is based on the coach's assessment which includes the results of physical tests and practical tests in playing futsal as well as other supporting tests. The assessment process is still carried out manually and implemented with the help of Excel. Apart from that, the coach's assessment is still subjective, this occurs due to the closeness of the athlete to the coach. The selection process for futsal athletes involves many criteria that are assessed, so that in selecting them a selection assessment system is needed for more objective results.

There are many ways to build a web application, including using a framework to make it easier for developers to build applications. One of them is by using the CodeIgniter framework. CodeIgniter is an application development framework for building websites using the PHP programming language. The goal is to enable developers to be much faster in building websites than they would be if writing code from scratch, by providing a collection of commonly needed libraries, as well as a simple interface and logical structure for accessing these libraries. CodeIgniter allows developers to minimize the amount of code required for a particular task. So it can be concluded that CodeIgniter is a framework that can help developers in building web applications because CodeIgniter provides a collection of libraries that are generally needed by developers. Based on the background description above, in this final assignment an application will be created to help solve existing problems, by creating an athlete data management application and web-based training schedule using the CodeIgniter framework.

METHODS
Evaluation
Assessment is related to measuring, checking, tracing and finding gaps in learning. Assessment is a process undertaken to obtain information that is used in order to make certain decisions regarding students, curriculum, programs, educational policies, methods and other educational instruments by an official body, institution, organization or institution that carries out certain activities.

Planning
Design is a process carried out to create or plan an object, system or environment by considering various aspects such as needs, function and desired aesthetics. Design involves various elements such as concepts, ideas, materials, technology and procedures used to produce a work that can meet the specified goals and needs.

Website dan Web Server
A website is a number of web pages that have interrelated topics between one page and another, which are usually placed on a web server that can be accessed via the internet network or local area network.

A web server is a computer used to store web documents, this computer serves web document requests from its clients.

Internet
The internet is a computer network consisting of various computer devices, connecting a certain protocol so that information can be exchanged between computers. With TCP/IP (Transmission Control Protocol Internet Pratocol) you can exchange information via the same protocol on a computer that is connected to the internet. All parts of the world use the internet to access telecommunications services and information

resources.

Database

A database is a collection of information stored in a computer systematically so that it can be checked using a computer program to obtain information.

The preparation of one database is used to overcome problems in data preparation, namely data redundancy and inconsistency, difficulties in accessing data, data isolation for standardization, multiple users (many users), security problems, integration problems (unity), and data independence problems. (data freedom).

UML (Unified Modelling Languange)

UML is a set of diagrams, structures, and techniques for modeling and designing object-oriented programs and applications.

Use Case Diagram, Activity Diagram, Class Diagram, Sequance Diagram

Use case diagram is a description of the functional effects expected by the system. A use case diagram is a model to describe the behavior of the system to be created. A use case diagram describes an interaction between one or more actors and the system to be created.

Activity Diagrams describe the workflow or activities of a system or business process.

A Class diagram is a description of the system structure in terms of defining the classes that will be created to build the system. Class diagrams consist of attributes and operations with the aim of making connections between design documentation and appropriate software.

Sequence diagrams represent detailed interactions between actors and systems or between collaborating objects in a specific time block.

MySQL, PHP, Xampp

MySQL is a DBMS (Database Management System) using SQL (Structured Query Language) commands which are widely used today in creating website-based applications.

PHP is a server-side programming language used to develop dynamic web applications.

XAMPP is software that supports and supports several operating systems and a combination of several programs. The programs contained in XAMPP support several programming languages such as HTML, Javascript, CSS, PHP, SQL, etc.

Framework Codeigniter

CodeIgniter is an opensource web application network used to build dynamic PHPi applications. CodeIgniter is a PHP framework with the MVC (Model, View and Control) model for building dynamic websites using PHP which can speed up developers to create web applications.

RESULTS AND DISCUSSION

Program Implementation

In the previous interface design, there were several designs that would be implemented on the DKI Jakarta Women's Futsal Athlete Assessment Website, along with an explanation of the user interface of the website, including.
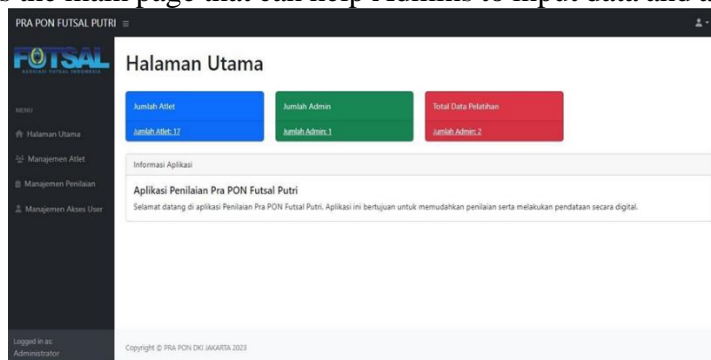
a. Login View.

This page is the main page on the DKI Jakarta Women's Futsal Athlete Assessment Web, where on this page the admin can log in.

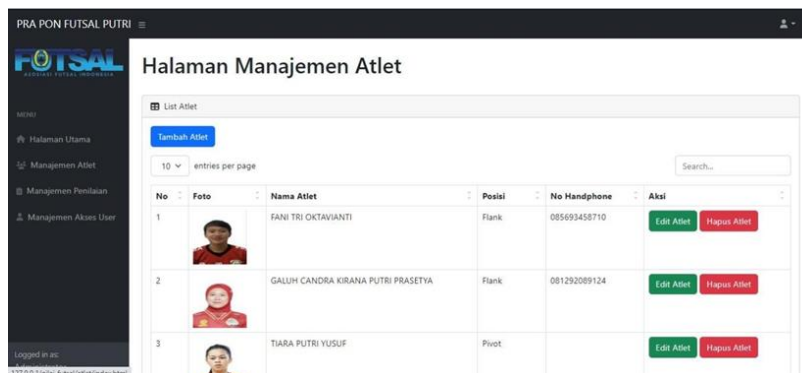Login View

b. Main Page Display.
   This page is the main page that can help Admins to input data and assessments online.

Main Page Display
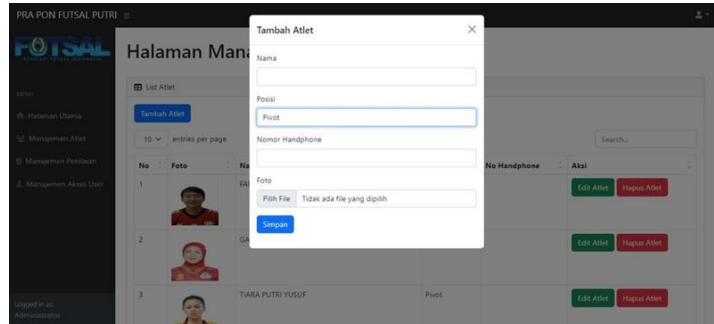
c. Athlete Management Page View
   This page is the Athlete Management page on the DKI Jakarta Female Futsal Athlete Assessment Web, where this page displays all data on prospective female futsal athlete participants.
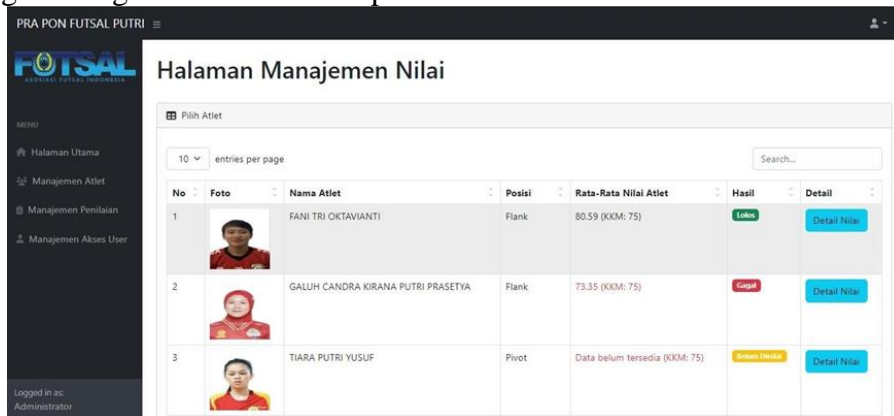

Add Athlete Page View

d. Add Athlete Page View
   This page is a page for adding athlete data where you can input athlete data such as Name, Athlete Position, Mobile Number and Athlete Photo.
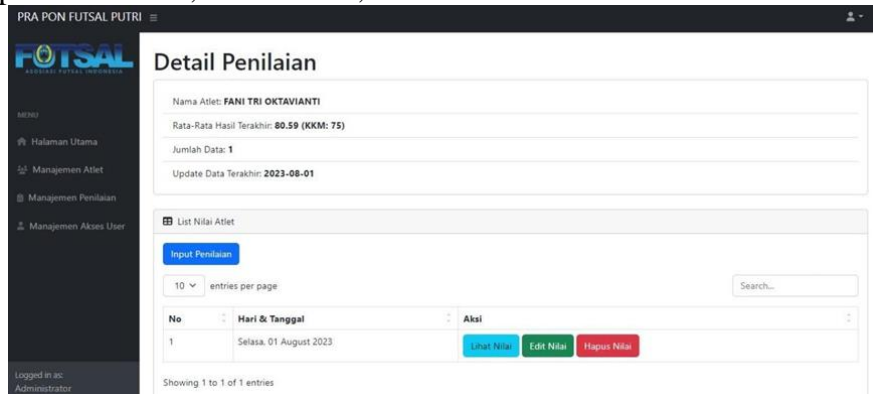
e. Appraisal Management Page View

This page is the Assessment Management page, where the Admin can input grades by clicking on the grade details then input the assessment of female futsal athletes.

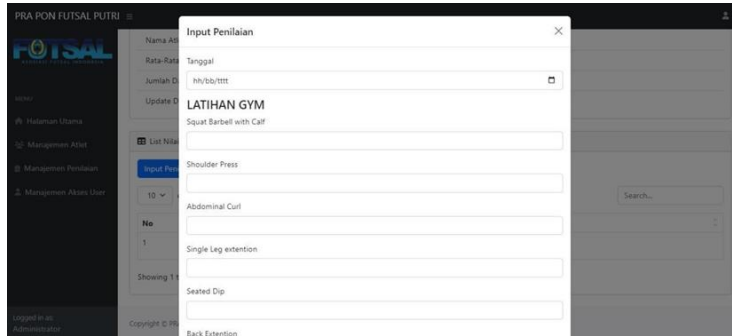
f. Appraisal Details Page View

This page is the Assessment Details page, where the Admin can input values by clicking input assessment, view values, edit values and delete values.

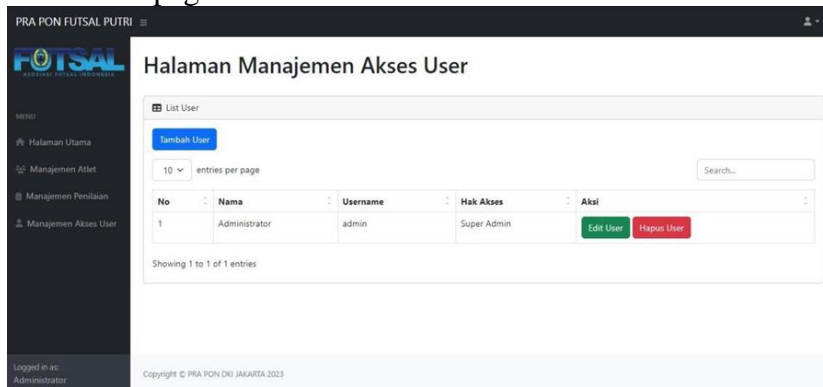Appraisal Details Page View

g. Appraisal Input Page Display

This page is the Assessment Input page, where Admin can input grades with each assessment technique such as GYM Exercises, Core Exercises and Track Exercises.

Appraisal Input Page Display

h. User Access Management Page Display

This User Access page is used to edit and delete data.

User Access Management Page Display

System testing

System testing is testing based on software specifications or requirements. This testing is usually carried out based on specifications that are analyzed informally and manually. The purpose of this testing is to prove that the implemented system meets the specifications and designs that were previously planned. The results of the testing will be used to improve the performance of the system and at the same time be used for further system development. At this stage the author tests the system that has been created. In this case the author uses black box system testing.

Black Box Testing

At this stage black box testing will be carried out to see whether each function in the application is running as it should. The following will be explained one by one in the table below:

a) Login Page Testing

Login Page Testing

No.	Testing	Expected results	Test Result	Conclusion
1.	Enter Username and password wrong	Notification "Username or password wrong"	Notification "Username or password wrong"	*Valid*

No.			Go to the main page	*Valid*
2.	Enter Username and password correct	Go to the main page	Go to the main page	*Valid*

b) Testing Data Page for Prospective Athlete Participants

Testing Data Page for Prospective Athlete Participants

No.	Testing	Expected results	Test Result	Conclusion
1.	Fill in all data on prospective athlete participants	The data is directly saved on the athlete management page and you can view detailed athlete data	The data is directly saved on the athlete management page and you can view detailed athlete data	*Valid*
2.	Leave some data blank on the add athlete form	The message "Please fill in this field" will appear	The message "Please fill in this field" will appear	*Valid*

c) Athlete Data Input Page Testing

Athlete Data Input Page Testing

No.	Testing	Expected results	Test Result	Conclusion
1.	Click Add Athlete	The add athlete page appears to upload Name, Position Athletes, and Athlete Photos	The add athlete page appears to upload Name, Position Athletes, and Athlete Photos	*Valid*
2.	Upload all athlete data	Status in the action column will change to "Success"	Status in the action column will change to "Success"	*Valid*
3.	Clear it wrong data	A message will appear "Please fill in this field"	A message will appear "Please fill in this field"	*Valid*

d) Assessment Management Page Testing

Assessment Management Page Testing

No.	Testing	Expected results	Test Result	Conclusion
1.	Click Management Evaluation	Detailed information about prospective athlete participants appears	Detailed information about prospective athlete participants appears	*Valid*

No.	Testing	Expected results	Test Result	Conclusion
2.	Click value details	Appraisal details appear in the form of input values and the average of the final value results	Appraisal details appear in the form of input values and the average of the final value results	*Valid*

e) Logout Page Testing

Logout Page Testing

No.	Testing	Expected results	Test Result	Conclusion
1.	On the app "click log out"	The logout page appears	The logout page appears	*Valid*
2.	On the web "click log out"	Return to page the last one to open	Return to page the last one to open	*Valid*

CONCLUSION

Based on the implementation and testing that has been carried out, it can be concluded as follows:

- This application for assessing female Futsal athletes, which is carried out online, can help the Asprov DKI Jakarta admin and coaches because this application can carry out assessments accurately.
- Computerized data can make it easier for Asprov and coaches to check athlete data and assess athletes in storing data and searching for participant data.
- With the online female Futsal Athlete Assessment system, it is hoped that it will be helpful and beneficial for Asprov and Coaches, as well as all those concerned with the system.

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