

DESIGN AND ANALYSIS MODEL APPLICATION SYSTEM TEACHING MEDIA ONLINE

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ABSTRACT

Education is very important for the formation of a developed country with HR (Human Resources) were superior. Education is also a provision to compete in the world of work, especially in higher education. But education at the college level, both public and private sector can not be felt by all citizens of Indonesia who have graduated from educational level of SMA / SMK / MA this Sederajat. Saat IBI Darmajaya not yet have a facility that serves the community outside the campus IBI Darmajaya, especially graduates SMA / SMK / MA who want to learn more about the lecture material corresponding departments in IBI Darmajaya, but they do not have the opportunity to come and study at the campus IBI Darmajaya. Therefore, the need for an

1. Introduction

Education is very important for the formation of a developed country with HR (Human Resources) were superior. Education is also a provision to compete in the world of work, especially in higher education. But education at the college level, both public and private sector can not be felt by all citizens of Indonesia who have graduated from educational level of SMA / SMK / MA or equivalent. This is due to the lack of cost and limitations of these universities to accommodate the number of graduate SMA / SMK / MA or equivalent who wish to continue their studies to university level public and private.

Informatics and deploying Institute (IBI) Darmajaya the best private universities in Lampung SPMI version of

online instructional media (E-learning) that can facilitate them to learn and gain knowledge as male and female students who enrolled diperguruan particularly high in IBI Darmajaya. Media teaching online (e-learning) is built using PHP, MySQL, and while the bootstrap method is the prototype development. Media's online resource will provide convenience for those who want to learn and acquire materials and communicate with faculty who are competent in their field.

KEY WORDS

Instructional Media Online (E-learning), Education, Prototype.

2009 of the Ministry of Higher Education Research and Technology,, Webometrics of Universities and international recognition through the ISO 9001: 2008. IBI Darmajaya greatly promote the quality and service of good service against the Darmajaya IBI campus community and the outside community.

Currently IBI Darmajaya not have the facility that serves the community outside the campus IBI Darmajaya, especially graduate SMA / SMK / MA who want to learn about the material perkuliahan appropriate departments in IBI Darmajaya, but they do not have the opportunity to come and study at the campus IBI Darmajaya , So that they can gain knowledge and information is the same as the male and female students who enrolled in the Darmajaya IBI. Based on these

descriptions, how to design and build an online instructional media in IBI Darmajaya to graduate SMA / SMK / MA or equivalent that does not have a chance to study.

2. Literature

Instructional Media Online

Online instructional media or media electronic learning (e-learning) is a new way of teaching and learning. E-learning is a basic and logical consequence of the development of information and communication technology. With e-learning, learners, need not sit well diruang classroom to listen to every word of a teacher directly. E-learning can also shorten the learning time schedule targets, and of course save costs to be dikeluarkam by a program of study or educational program (Tata Sutabri, 2012).

In e-learning, teacher or teaching factors presence automatically be reduced or even non-existent. This is because that takes the role of the teacher is computer and electronic guides designed by the content writer, designer e-learning, and computer programmers. With e-learning teachers / lecturers / instructors will be easier:

- a. Updating the learning materials that are the responsibility in accordance with the demands of the latest scientific developments.
- b. Develop themselves or conduct research to improve the knowledge.
- c. Control the activities of learners.

There are three functions of electronic learning (e-learning) to learning activities or teaching and learning in the classroom, ie as a supplement to its choice or optional, complementary (complemen) or replacement (substitution).

3. Research Methods

a. Method of collecting data

In the prototype method, the first step is data collection. Methods of data collection is a method or technique

performed in obtaining the data supporting the study. The technique used is as follows: Research Library, interview and questionnaire.

b. Analysis of User Needs

At this stage, researchers working with users of the system that will be proposed to obtain the basic information needed by the users on the system.

Users of the system is divided into two:

1. Admin: The person authorized to monitor and control access to information and data available on the website.
2. Student: graduate SMA / MA / SMK equivalent which is prospective students.
3. Lecturers: Teachers on this website.

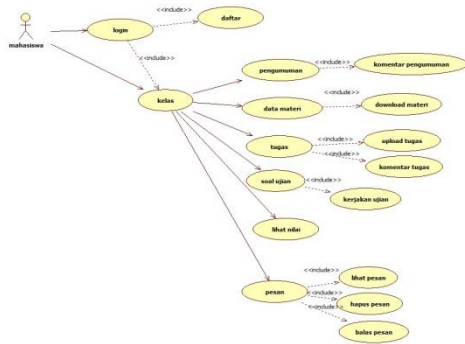
Based on the analysis needs of users obtained some of the information obtained are:

1. The need for an information medium that can increase knowledge and skill graduate SMA / SMK / MA or equivalent who have no chance of attending college.
2. There should be a medium that can bring together a faculty and graduate SMA / SMK / MA or equivalent who have no chance of attending college to ask each other questions and share information.
3. The existence of teaching facilities intended for those who do not have the opportunity to study so that they can develop their skills.
4. Provide a discussion tool for faculty and graduate SMA / SMK / MA or equivalent.

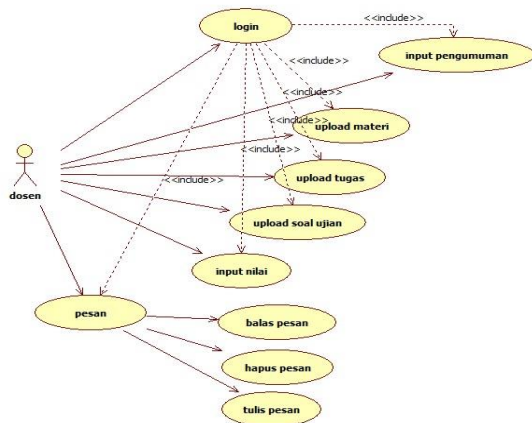
c. Proposed System Design

Analysis of the Proposed System for Students in Teaching Media Online Application Website

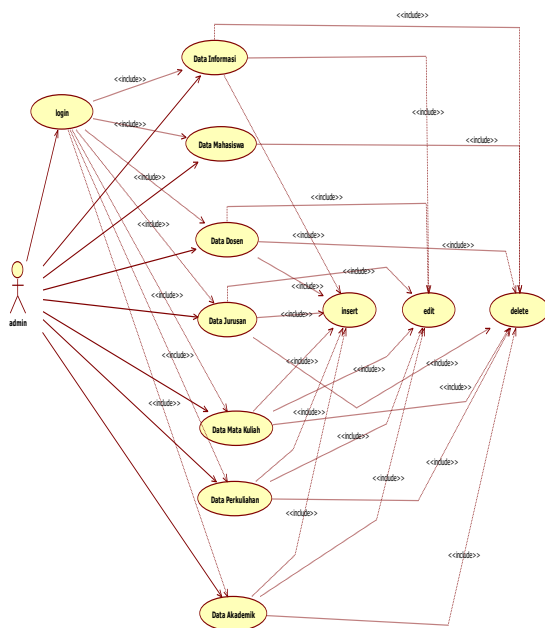
The system design of teaching media online that is accessible to graduate SMA / SMK / MA or equivalent who wish to follow the online learning via a personal computer or via smartphone. To view the design of the proposed system for students, can be seen in picture 1:



picture 1. Use case students in the proposed system.
System Analysis for Proposed Lecturer in Instructional Media Online Application Website



picture 2. Use Case lecturers on teaching media online applications are proposed.
Analysis of the Proposed System Admin at Ajar Media Online Application Website



picture 3. Use Case admin on online teaching media applications are proposed.

4. RESULTS AND DISCUSSION

a. Display Home

This page contains information menu, login form and the registration menu on the main page mahasiswa. Tampilan media online teaching can be seen in picture 4.

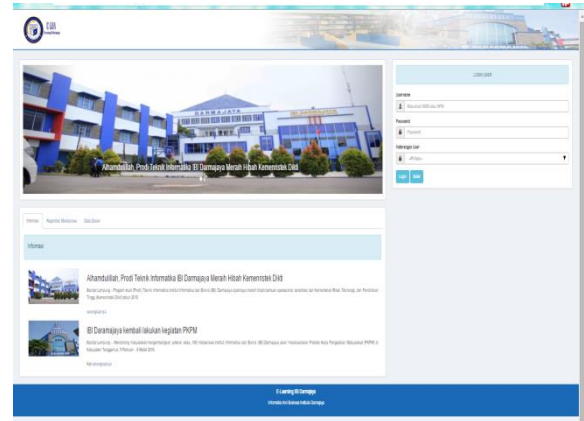
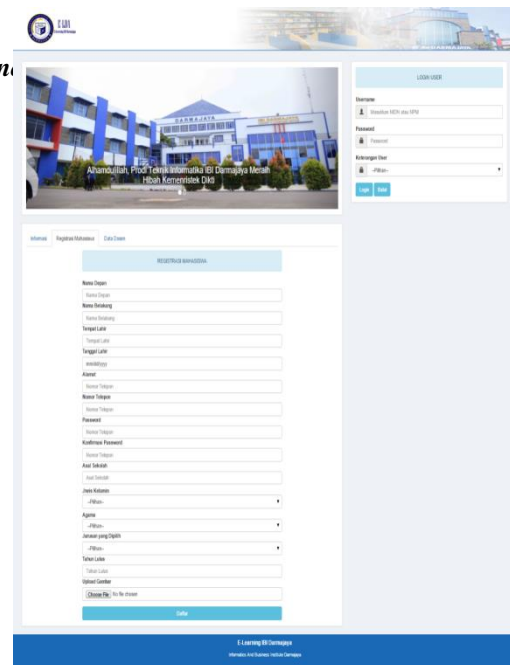


Figure 4 .. Display Home Website.

b. Student Registration Page Views

Student registration page view is a page that is used to register for students. Display student registration page can be seen in picture 5.

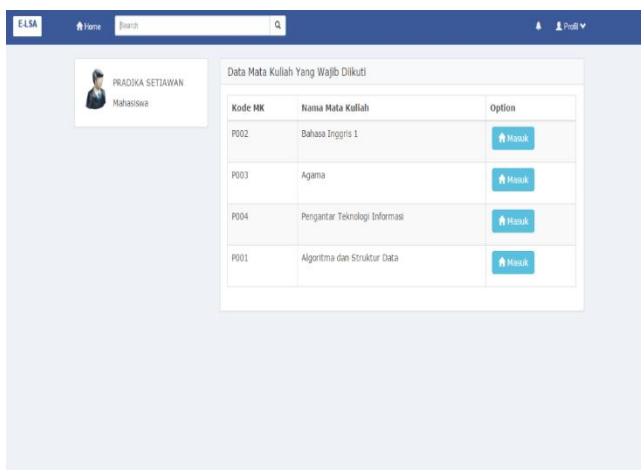


picture 5. Display of Student Registration Page.

c. Home Page Views For Students

The main page for the student is the display page that appears when a student successfully login. This view

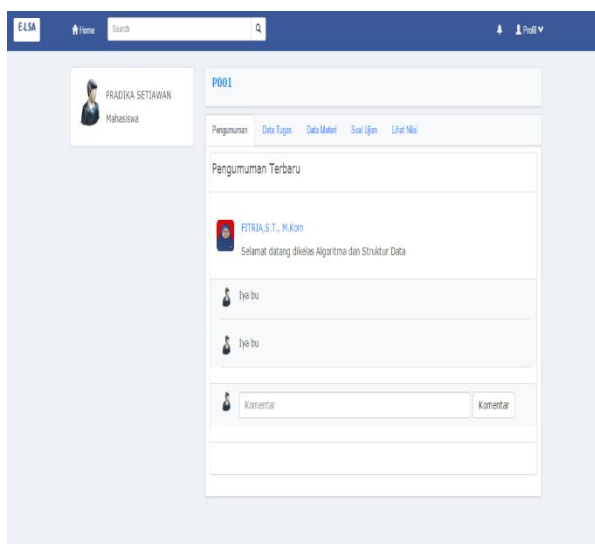
contains data subjects and classes that followed. The main page for students can be seen in picture 6.



picture 6. Student Home Page Views.

d. Pageviews Classes For Students

Classes for students to see this page is the page that appears when students choose one of the classes that followed. Page views classes for students can be seen in the following figure includes: Menu Announcements, Tasks Menu, Creative Menu, Menu Exam, Menu See Value in picture 7. below.

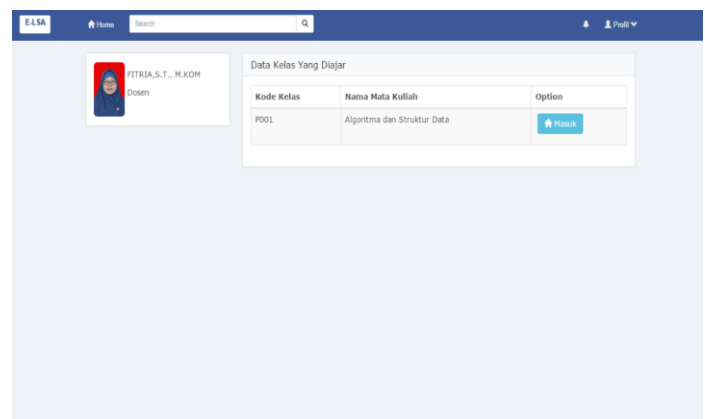


picture 7. Display Page class for students.

e. Home Page Views for Lecturers

Home page for this faculty is a page that will be displayed when lecturers successfully logged and this page contains information classes taught by an

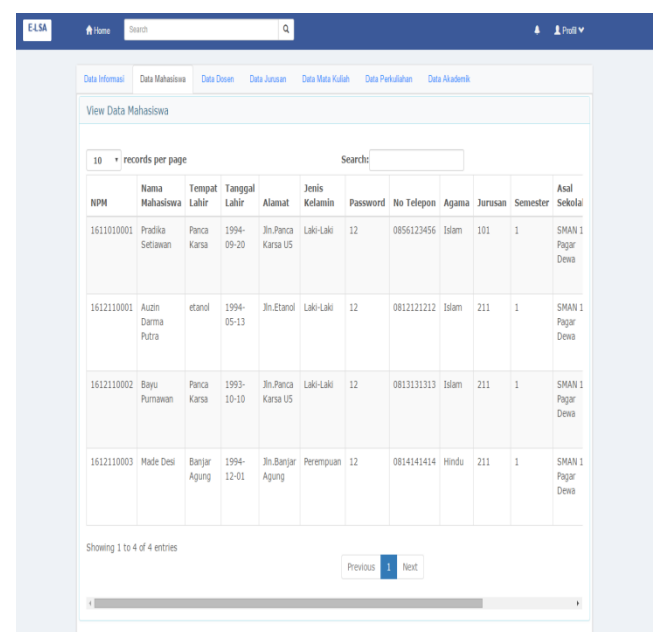
instructor. Home page of faculty can be seen in picture 8.



picture 8. Home Page Views For the Lecturer.

Display Home For Admin

Admin main page for a page to be displayed when the admin successful login. This page serves to perform data processing of applications of this online resource media. This page has several menu include: Data menu information, menu data is lecturer, student data menu, the menu of data subject, the data menu courses, lectures Data menu, the menu of academic data. Admin main page view can be seen in picture 9. below:



picture 9. Display the main admin page.

5. Conclusion

Instructional media online application system is expected to become an instructional media used by

graduate SMA / SMK / MA or equivalent is to obtain information about the lecture. So that they can obtain course materials, asked by a lecturer and also can feel like a college lecture actually in college sebenarnya. Sistem online instructional media application is still is still a simple and simply describes the process of his college course, so have the few drawbacks, among others:

1. The online application system of teaching media do not yet have the facility of discussion, chat, and video calls as a medium of communication between students and professors who are in one class.
2. The system of teaching media online applications only model the process of registration and the lecture only and do not have the facilities to turn the semester and courses.

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