ANALYSISI MPLEMENTATION OF E-LEARNING MODEL USING QUALITYE VALUATION METHOD(QEM) STUDY ON EDUCATION TECHNOLOGY OF BATURAJA UNIVERSITY

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Abstrak

Rapid technological advances, a very influential impactinall aspects of life, including education Educationin the worldtoday, many whoal ready take advantage of technological developments, one of them byimplementinge-learningsystem, by applyingthis learning systemprovides many benefitsin education. Study Programin Educational Technology Teaching Facultyof EducationUniversity ofBalfour, isone of the coursesat the University ofBalfourwhohave taken advantage ofthe learningsystemof e-learning inteaching and learning activities, the system isapplied to themeetingswhichallowsalecturercan not meetin themeetingclass, such asthe provision ofcoursework,discussion, quiz, midtest, andothers with thehope of improving thequality ofteaching and learning, which in turn canimprove theachievement of students. Howeverthere aresomeproblems and obstaclesin the implementation ofe-learningsystemis, among others: (1) a newpartiallylecturerinEducationalTechnology Studies Programthatusese-learning system leraning, (2) there aresomedifferencesin the use ofe-media applicationsforthe manufacture ofthelearningand(3) the lackof understandingfor somestudentsin theuse ofe-learningsystemso that they canaffectstudentlearning outcomes. Problems arising from the above, the researcher intendstomeasure the comparativ euse of media applications in makinge-learning systems in Educational TechnologyStudies Program University of Balfour by using amodel of Quality Evaluation Method (QEM).

1 INTRODUCTION

E-learning is the concept of educational systems that use information technology in the learning process mengajar.Teknologi information on purpose is the provision of infrastructure, content or materials to support the learning process of digitally or the e-learning. Provision of infrastructure includes hardware and software, while the content, or content should include e-learning objects such as Students, Faculty, parents and staff.

1.1 Identification Problem

1. The prevalence of the use of models of e-learning in Educational Technology Studies Program.

2. Still diversity pembuatanmodel mediaaplikasi used in e-learning in Educational Technology Studies Program.

3. Lack of understanding of students in menggunakanmodel pembelajarane-learning.

1.2 Limit Problem

This study is limited to the comparison measure media use web applications is still diverse membandingkanblogger, wordpress and Edmodo in making e-learning systems in Educational Technology Studies Program University of Balfour by using Model Quality Evaluation Method (QEM)?

1.3 Formulation of the problem

The formulation of the problem which the author adopted in this study was to compare the 3 media web application (blogger, wordpress and Edmodo) and how to measure aplikasiweb media used in membuatsistem based learning e-learning in Educational Technology Studies Program University of Balfour.

1.4 Research Purposes

1. To determine whether the application of e-learning models can be used by all faculty and students within the Education Technology Studies Program.

2. To measure and compare the webyang digunakandalam media applications make system-learningagar pembelajarane can be a reference for all professors in Educational Technology Studies Program in making e-learning systems. urposes

1.5 Basic Theory
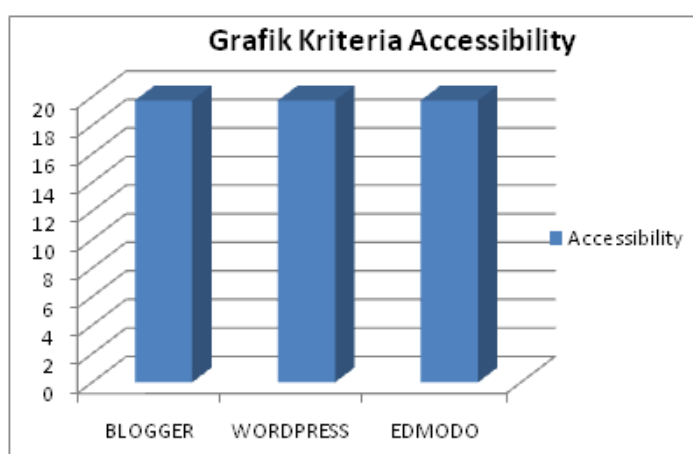
Quality Evaluation Method (QEM), with the provisions of the following criteria:

Grafik Kriteria Speed

Grafik Kriteria Navigability

Grafik Kriteria Site Content

1. Accessibility

2. Speed

Grafik Hasil Blogger

Grafik Hasil Wordpress
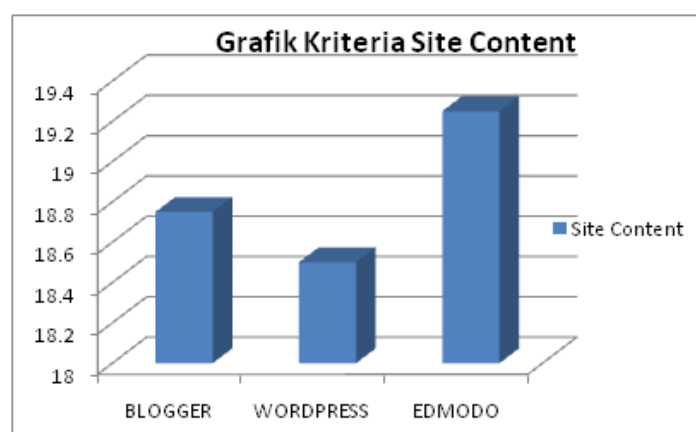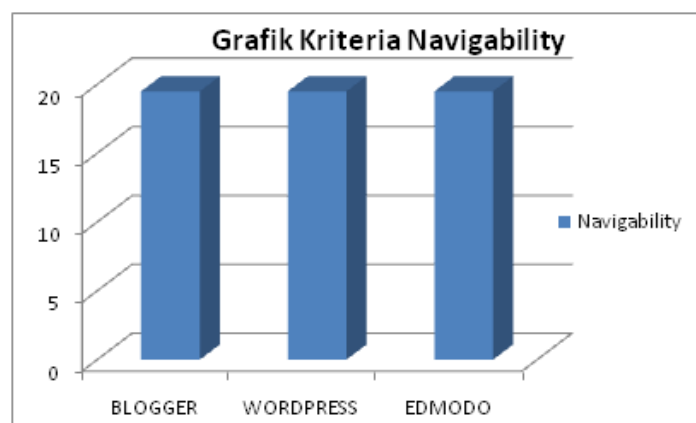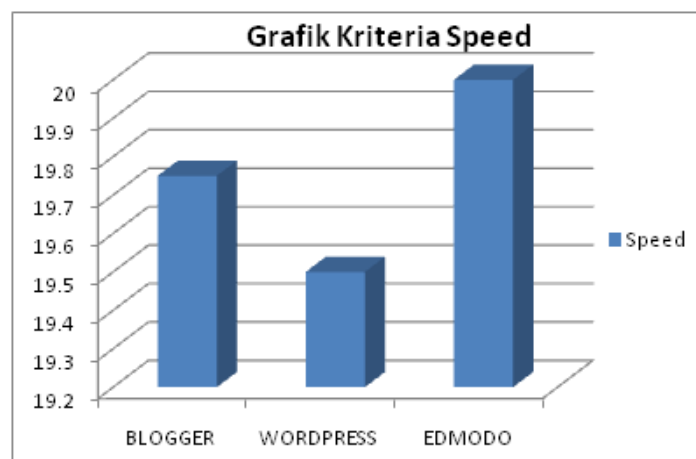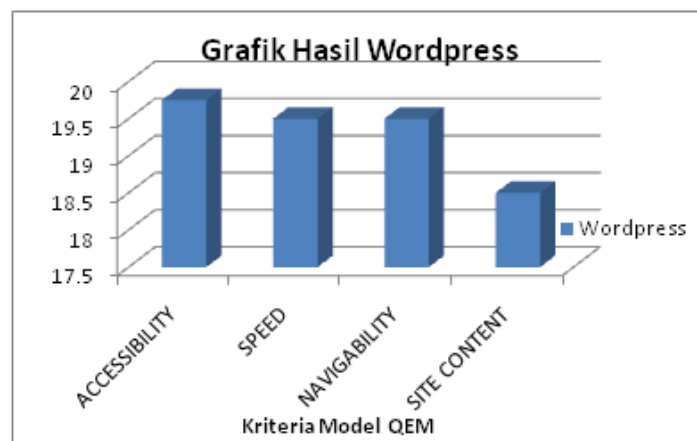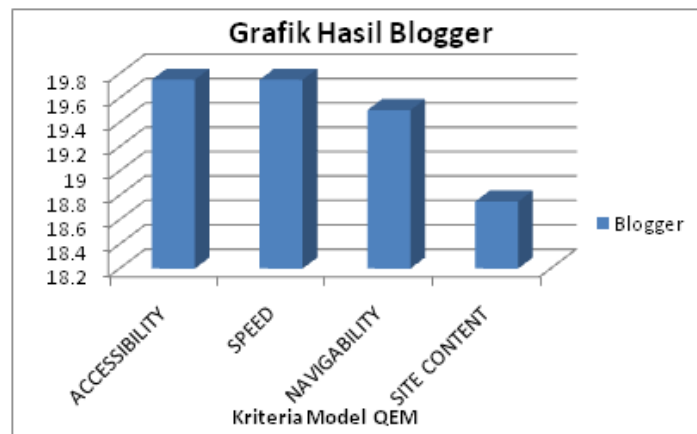
3. Navigability

4. Site Content

QEM models were used to compare the above three media web applications. method of data collection using questionnaires given to the next student on the validity and reliability using the Pearson formula.

2   CONCLUSION

1. From the results of the study involving respondents didapatlah media web application assessment results with the respondents' preferences for Edmodo value of 79.0, 77.75 and 75.5 for the blogger to wordpress. From the results of these respondents expected to help the Educational Technology course to be able to determine what media web applications that will be used to create e-learning systems in order bisaditerapkan on making college faculty and students in the course can understand the use of information technology (IT).

2. The results of this study can also help Educational Technology courses in web applica-

Website	Alamat Web
Blogger	http://www.blogger.com
Wordpress	http://www.wordpress.com
Edmodo	http://www.edmodo.com

Table 1: Uji Validitas

No.	Media Aplikasi	Keterangan
1	Blogger	2 Tidak Valid
2	Wordpress	2 Tidak Valid
3	Edmodo	1 Tidak Valid

Table 2: Reliabilitas

Variabel	rxy	rtabel	Keterangan
X1	0.635	0.423	Reliabel
X2	0.645	0.423	Reliabel
Y	0.477	0.423	Reliabel

Table 3: Examples of writing table

	Media Aplikasi Web		
Standar ISO 9126	Blogger	Wordpress	Edmodo
Funcional / Fungsional			
Reliability / Keandalan	-	-	
Usability / Kegunaan		-	
Efficiency / Efisien			
Manitainability / Perawatan			
Portability / Portabilitas	-	-	
Hasil	**80%**	**60%**	**100%**
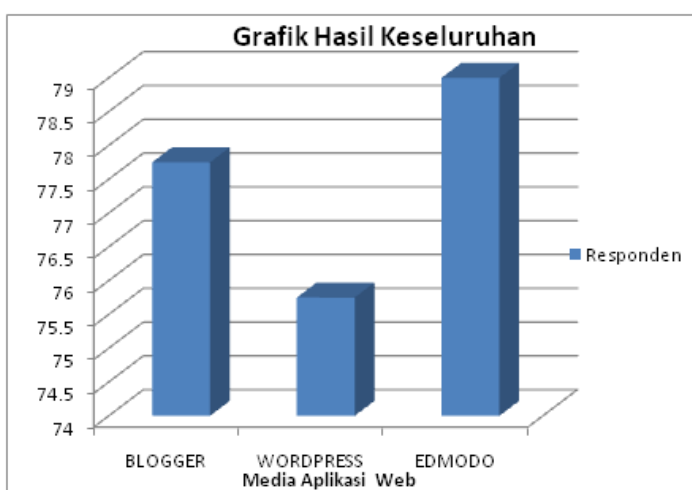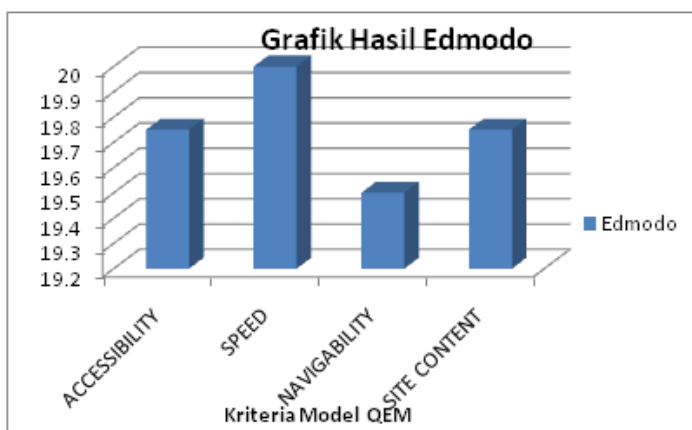
Grafik Hasil Edmodo

Kriteria Model QEM

(ACCESSIBILITY, SPEED, NAVIGABILITY, SITE CONTENT) — Edmodo

Grafik Hasil Keseluruhan

Media Aplikasi Web

(BLOGGER, WORDPRESS, EDMODO) — Responden

No_Item	BUTIR PERTANYAAN																JUMLAH
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	15
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	15
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
8	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	15
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
10	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	15
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
16	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	15
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	15
18	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	15
19	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	15
20	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	14
JUMLAH																	306

tions determine what media will be used and applied in the program of study as well as in accordance with the wishes of students and faculty.

No_Item	BUTIR PERTANYAAN																JUMLAH
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	14
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
10	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	13
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	15
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	14
18	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	15
19	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	14
20	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	13
JUMLAH																	303

2.1 Suggestion

From the research that has been done and for researchers to do research, then researchers can gives advice that researchers suggest courses media web applications using Edmodo to be chosen as the medium used in making e-learning system that can be used by the program of study. This is because Edmodo has QEM criteria according to the standard models, namely in terms of accessibility or ease of access, in terms of speed or the speed of the site and access the content.

3 Referensi

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