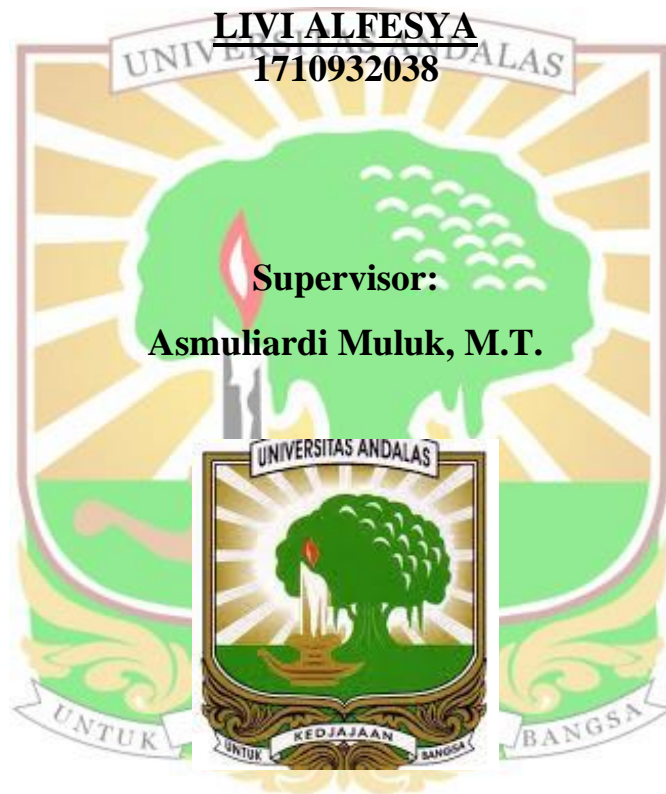


**USABILITY LEVEL ANALYSIS OF UNIVERSITY
LIBRARY WEBSITE**

FINAL PROJECT REPORT

By:

LIVI ALFESYA
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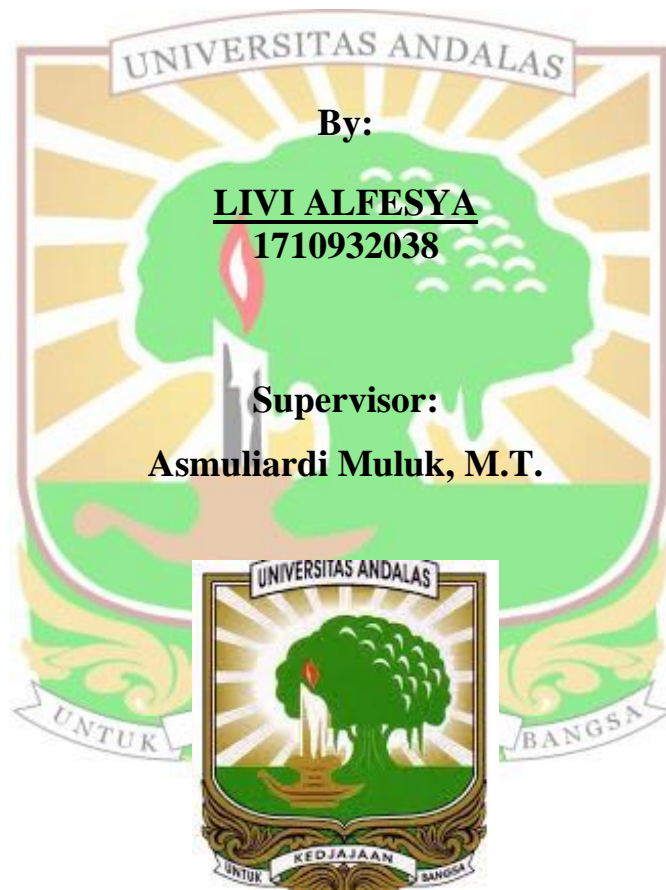
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**DEPARTMENT OF INDUSTRIAL ENGINEERING
FACULTY OF ENGINEERING
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PADANG
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*As a requirement to fulfill a bachelor degree in the Industrial Engineering
Department, Faculty of Engineering, Andalas University*



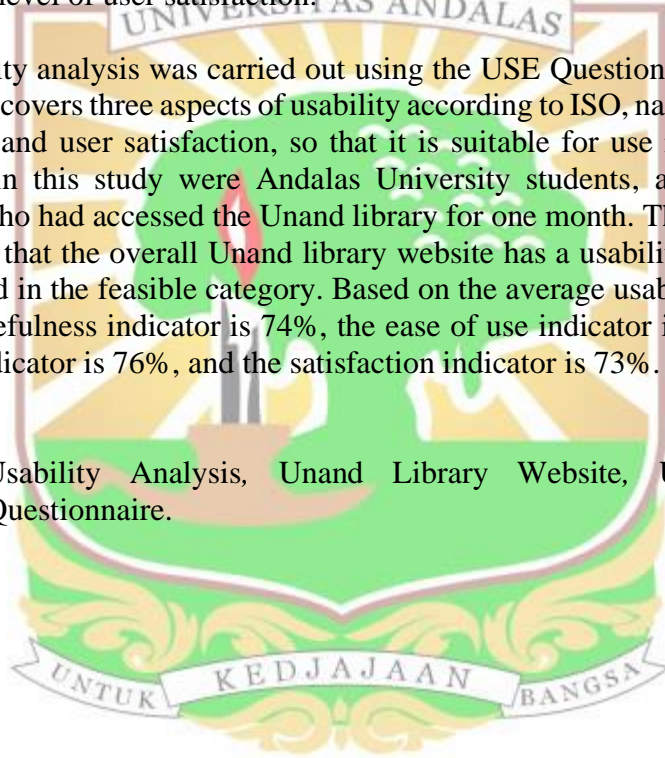
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ABSTRACT

The development of information technology is currently very popular among information users, one example is the website. One of the important aspects that affect the quality of a website is usability. Usability shows how easily a website can be used by users. The Unand library website is a library information system that can help facilitate teaching and learning needs. Based on a preliminary survey conducted on Unand students who use the Unand library website, it was found that 97% of the respondents had several complaints, so it was necessary to do a review through usability analysis. Usability analysis aims to determine whether the design has problems for its users and to collect qualitative and quantitative data to determine the level of user satisfaction.

Usability analysis was carried out using the USE Questionnaire. This USE Questionnaire covers three aspects of usability according to ISO, namely efficiency, effectiveness, and user satisfaction, so that it is suitable for use in this research. Respondents in this study were Andalas University students, as many as 103 respondents who had accessed the Unand library for one month. The results of this study indicate that the overall Unand library website has a usability value of 75% and is included in the feasible category. Based on the average usability calculation results, the usefulness indicator is 74%, the ease of use indicator is 74%, the ease of learning indicator is 76%, and the satisfaction indicator is 73%.

Keywords: Usability Analysis, Unand Library Website, Usability, USE Questionnaire.



ABSTRAK

Perkembangan teknologi informasi saat ini sangat populer di kalangan pengguna informasi, salah satu contohnya adalah situs web. Salah satu aspek penting yang mempengaruhi kualitas sebuah situs web adalah usability. Usability menunjukkan seberapa mudah dari sebuah situs web dapat digunakan oleh pengguna. Situs web perpustakaan Unand adalah sebuah sistem informasi perpustakaan yang dapat membantu memfasilitasi kebutuhan belajar mengajar. Berdasarkan survei pendahuluan yang telah dilakukan kepada mahasiswa Unand yang menggunakan situs web perpustakaan Unand, diperoleh bahwa sebanyak 97% dari responden memiliki beberapa keluhan sehingga perlu dilakukannya peninjauan ulang melalui analisis usability. Analisis usability bertujuan untuk mengetahui apakah desain tersebut memiliki masalah atau tidak bagi penggunanya serta untuk mengumpulkan data kualitatif dan data kuantitatif guna menentukan tingkat kepuasan pengguna.

Analisis usability dilakukan dengan menggunakan USE Questionnaire. USE Questionnaire ini mencakup tiga aspek usability menurut ISO yaitu efisiensi, efektif dan kepuasan pengguna sehingga cocok untuk digunakan dalam penelitian ini. Responden pada penelitian ini yaitu mahasiswa Universitas Andalas sebanyak 103 responden yang telah mengakses perpustakaan Unand selama satu bulan. Hasil dari penelitian ini menunjukkan bahwa secara keseluruhan situs perpustakaan Unand mempunyai nilai usability sebesar 75% dan termasuk ke dalam kategori layak. Berdasarkan rata-rata hasil perhitungan usability, indikator usefulness bernilai 74%, indikator ease of use bernilai 74%, indikator ease of learning bernilai 76% dan indikator satisfaction bernilai 73%.

Kata kunci: Analisis Usability, Situs web perpustakaan Unand, Usability, USE Questionnaire.

