

INTISARI

REDESAIN ANTARMUKA WEBSITE TUGAS AKHIR PROGRAM STUDI TEKNOLOGI REKAYASA PERANGKAT LUNAK UNIVERSITAS GADJAH MADA MENGGUNAKAN METODE USER CENTERED DESIGN

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Desain antarmuka atau *User Interface* (UI) yang monoton dapat mempengaruhi pengalaman pengguna dalam mengoperasikan sistem. TA-TRPL merupakan *Web LMS (Learning Management System)* untuk melaksanakan proses tugas akhir terkhusus pada mahasiswa, dosen, dan akademik Program Studi Sarjana Terapan Teknologi Rekayasa Perangkat Lunak, Departemen Teknik Elektro dan Informatika, Sekolah Vokasi, Universitas Gadjah Mada. Penelitian ini bertujuan untuk melakukan redesign antarmuka *website* tugas akhir Program Studi Teknologi Rekayasa Perangkat Lunak Universitas Gadjah Mada dengan menggunakan metode *User Centered Design* (UCD). Metode yang digunakan untuk melakukan evaluasi *usability* adalah metode *Usability Testing*, *System Usability Scale* (SUS), dan *User Experience Questionnaire* (UEQ). Hasil dari penelitian menunjukkan bahwa redesign antarmuka berhasil meningkatkan kepuasan pengguna, dengan umpan balik positif terkait kemudahan navigasi dan akses informasi. Hal tersebut terlihat dari hasil evaluasi yang menunjukkan bahwa nilai *success rate* 100% sehingga tergolong sangat efektif. Hasil dari evaluasi SUS juga menunjukkan hasil “*Acceptable*” untuk ketiga role yang ada. Serta hampir seluruh hasil *benchmark* UEQ menunjukkan hasil “*Excellent*” kecuali aspek kejelasan pada role admin dengan hasil “*Below Average*” dan “*Above Average*”. Hasil penelitian ini diharapkan dapat memberikan rekomendasi desain tampilan antarmuka pada pengelola situs web TA-TRPL sesuai dengan kebutuhan penggunaanya dalam mengoperasikan sistem.

Kata kunci : redesign, *user centered design*, *usability testing*, *system usability testing*, *user experience questionnaire*

ABSTRACT

*WEBSITE INTERFACE REDESIGN FINAL ASSIGNMENT SOFTWARE
ENGINEERING TECHNOLOGY STUDY PROGRAM GADJAH MADA
UNIVERSITY USING USER CENTERED DESIGN METHOD*

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A monotonous user interface (UI) can negatively impact a user's experience when operating a system. TA-TRPL is a web-based learning management system (LMS) specifically designed for final project processes involving students, lecturers, and academic staff in the Study Program of Software Engineering Technology, Department of Electronical Engineering and Informatics, Vocational School, Gadjah Mada University. This research aimed to redesign the user interface of the final project website for the Software Engineering program at Universitas Gadjah Mada using the User-Centered Design (UCD) method. The usability evaluation methods employed in this study were Usability Testing, System Usability Scale (SUS), and User Experience Questionnaire (UEQ). The research findings indicate that the UI redesign successfully enhanced user satisfaction, with positive feedback regarding ease of navigation and information accessibility. This is evident from the evaluation results, showing a 100% success rate, indicating high effectiveness. The SUS evaluation results also showed "Acceptable" scores for all three user roles. Additionally, almost all UEQ benchmark results indicated "Excellent," except for the clarity aspect of the admin role, which showed "Below Average" and "Above Average" results." The results of this study are expected to provide recommendations for the design of the interface display for TA-TRPL website managers according to the needs of users in operating the system.

Keyword: redesign, user centered design, usability testing, system usability testing, user experience questionnaire