

Universiti Teknologi MARA

**Kolej Kerawang Management
Information System
(e-Kerawang)**

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for
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STUDENT DECLARATION

I certify that this thesis and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.



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ABSTRACT

Kolej Kerawang Management Information System (e-Kerawang) is a web-based system that have been developed to help the Unit Pengurusan Kolej Kerawang (UPKK) to handle student information in a systematic way. Currently, UPKK requires student to manually fill up their information in a form and submit it to the staffs of UPKK. Due to large number of students, the process of managing student record are time consuming, require large number of paper usage and high expenses on purchasing paper and printing. The development process of e-Kerawang was done by adapting the Adapted Waterfall Model. In addition, User-Centered Design (UCD) was also implemented in the development of e-Kerawang as it provides a guideline for system development based on user's involvement. A questionnaire regarding usability has been prepared for experts and users. The evaluation questions for experts consist of five constructs which are ease of use, satisfaction, flow of the system, consistency and user interface. On the other hand, the questionnaire for users have six constructs which are ease of use, interface, user experience, consistency, usability and satisfaction. E-Kerawang were tested by 3 experts and 30 respondents. As the result, the highest mean is 4.5 (SD=0.571) for satisfaction construct. It shows that most of the respondents are highly satisfied with e-Kerawang. In the future, e-Kerawang can be enhanced by adding extra features such as room bidding system.

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