

UNIVERSITI TEKNOLOGI MARA

**MENSTRUAL DISORDER
DISCOVERER MOBILE
APPLICATION USING DECISION
SUPPORT SYSTEM**

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ABSTRACT

This project studies about menstrual disorder for user to be more aware about menstrual disorder. The purpose of this project is to discover the menstrual problem since woman or teenagers are not aware of their menstrual problem and lack of knowledge about menstrual problem. Hence, this project was developed in mobile application to make it more easily for user to use it. The techniques that this project used is decision support systems because it is about making the decision based on menstrual disorder symptoms. Based on the decision support systems techniques, this application used rule based system because it has uniform “if-then” structure. From this rule based that applied in this application, user will choose the symptoms and if all the symptoms that have been chosen are relates to each other, it will take an action and conclude to show the result. This application has been tested to 15 respondents which consist of 10 female and 5 male. Thus, the results show 80% of respondents agreed with the application because it makes the user more aware about the menstrual problem, and also increase the knowledgeable about type of menstrual disorder while other 20% were not agreed with the application because sometimes the results were not accurate. This application will be upgrade from time to time by adding new features so it will be more helpful in future.

Keywords: *menstrual disorder, discover, aware, decision support systems, rule based system.*

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