

UNIVERSITI TEKNOLOGI MARA

**ASSOCIATION OF SORENESS AND
GRITINESS SYMPTOMS BETWEEN THE
MCMONNIES AND OCULAR SURFACE
DISEASE INDEX (OSDI) QUESTIONNAIRES
AMONG MALAY ADULTS**

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**Project submitted in fulfilment of the requirements for the
degree of**

Bachelor (Hons.) of Optometry

Faculty of Health Sciences

JULY 2015

DECLARATION

I declare that the work in this thesis and the research to which it refers are the product of my own work except for quotations which have been fully acknowledged in accordance with the standard referring practices of discipline.



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12th July 2015

ACKNOWLEDGEMENT

First and foremost, I would like to thank my supervisor, Encik Azmir Ahmad and co-supervisor, Madam Norfaridah bt A. Aziz for guiding me in my final year project and helping me through all of the study. I would also like to thank my group mates for their help along the preparation of this final year project. And not to forget, my other friends who gave me support either directly or indirectly in finishing this project and also to my scholarship sponsor for these 4 years, JPA (Jabatan Perkhidmatan Awam). Not to forget, I would also like to thank my family, especially my parents for their endless support and love for me. Last but not least, I hope that my research will be successful and beneficial to other people.

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ABSTRACT

This study was done to investigate whether there was significant association between the McMonnies questionnaire and Ocular Surface Disease Index (OSDI) questionnaire in identifying dry eye syndrome (DES) among adults in UiTM Puncak Alam. About 130 participants participated in this study which aged 18 until 40 years and above. They were then further divided into three groups. The first group was the age below 20 years old, second group aged from 21 to 39 years old and the third group aged 40 years and above. All of them were UiTM Puncak Alam, Malay residents. Participants were then asked to fill up two questionnaires that were McMonnies and OSDI questionnaire. After that, the score for each of the questionnaires was calculated to determine whether they had dry eye disease or not. The presence of dry eye disease as detected by OSDI questionnaire was higher in the third group with the age of 40 years and above. There was a moderate positive correlation between symptom of soreness in McMonnies questionnaire and symptom of sore eyes in OSDI questionnaire in population of UiTM aged 18 to 40 years old above, $r_s = .362$. In addition, the symptom of grittiness in McMonnies questionnaire and OSDI questionnaire also showed strong positive correlation in population of UiTM aged 18 to 40 years old above, $r_s = .546$.