

KARYA TULIS ILMIAH

**HUBUNGAN KELAINAN REFRAKSI DENGAN
RIWAYAT BERKACAMATA DALAM KELUARGA
PADA MAHASISWA ANGKATAN 2001
PROGRAM STUDI PENDIDIKAN DOKTER
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PENELITIAN SURVEI ANALITIK



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ABSTRACT

When the real refraction is not built down in the retina there is an abnormality of refraction. There is an unbalance optical system here, so that produces a “blur” refraction. The explanations of these phenomena are still debatable – whether is an genetic, habits, or environmental mater. The stimulant is yet unknown. However, there is a strong indication that there is genetic mater related to abnormality of refraction. The research titled “The Relationship between Abnormality of Refraction and The History of Glasses Usage in The Family of Medical Science Faculty Student of Jember University, year 2001 is conducted to explain the relationship between refraction abnormality with the genetic factor. An Analytical Survey using Case Control approach is conducted to pursue the objective. The effect of factor is known first from difference between two of groups, – the group which abnormality of refraction is occur, and not (control group). Then, the cause factor will be investigated retrospectively. Sample being taken from list of student of department of Medical Sciences The University of Jember 2001, which are fulfilling inclusions criteria. There were 90 respondents included. There are two methods gathering the data, observational and interview. This research observe respondent which is the refraction abnormality is occur or not, and determine what kind of abnormality if occur. Respondent inform us their family’s glasses usage history by the questionnaires. It is known that 43 of 90 (47.8 percent) student have prevalence amethropy, 26 students of amethropia’s student (60.5 %) are myopias, none of them have hypermethropy, and 17 students have astigmatisms. There is a significant relationship between abnormality refractions and family’s glasses usage history. Characterized by $p\text{-value} = 0.001$ ($p < = 0.005$) in Chi-Square Test. Chi-Square Test is also shows that there is no significant relationship between abnormality refractions and the habits factors. This research is also show that if we exclude the habits factor, there is still a relationship between abnormality refractions and genetic factor as the Odd Ratio score 5.81. It is shown that there is relationship between abnormality refractions and family’s glasses usage history.

Keywords: abnormality of refraction, genetic, family’s glasses usage history

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