

**ABSTRACT**  
**THE CORRELATION OF MALOCCLUSION CARE NEEDS BASED ON  
AESTHETIC COMPONENTS FROM IOTN TO ADOLESCENTS OF  
WOMEN AWARENESS TO DO ORTODONTI CARE**

**Lovina Julia Kuswandi<sup>1</sup>, Wuriastuti Kusumandari<sup>2</sup>, Bawa Adiwirno<sup>2</sup>**

<sup>1</sup>A Student of Undergraduate Program in Dentistry, Faculty of Dentistry University of Muhammadiyah Semarang, Email: [Lovina\\_julia@yahoo.com](mailto:Lovina_julia@yahoo.com)

<sup>2</sup>Lecturers of Undergraduate Program in Dentistry, Faculty of Dentistry, University of Muhammadiyah Semarang

**Background:** The prevalence of malocclusion is still very high at around 80% of the population, therefore malocclusion should be prevented or treated. The formation of self-identity is one of the stages in adolescence where facial aesthetics and dental aesthetics are very important, so that an unattractive facial appearance will have a bad impact on adolescent development, especially psychology. The severity of malocclusion will have an impact on social interaction, psychological state, confidence, and lack of satisfaction with facial appearance. **Method:** This study is an analytic observational study with a cross-sectional design. Samples were taken using a non-probability sampling method by means of purposive sampling and obtained a total sample of 88 students. Data collection was done by using questionnaires with structured question items about awareness of ortodonti care and examination of malocclusion care needs based on aesthetic component from IOTN. The data was then analyzed by using Rank Spearman correlation test. **Results:** The results showed that the results of measuring the level of adolescent malocclusion care needs of Sultan Agung 1 Islamic High School Semarang, the majority of subjects did not need care as many as 46 students (52.30%). The results of the assessment of female adolescents' awareness of malocclusion treatment, a good majority were 51 students (58.00%). **Conclusion:** The study shows a significant correlation between The correlation of malocclusion care needs based on aesthetic components from iotn to adolescents of women awareness to do ortodonti care because of the value ( $p\text{-value} = 0.00, p < 0.05$ ).

**Keywords:** Malocclusion, Malocclusion care needs, Awareness to do ortodonti care