

THE RELATIONS OF MALOCCLUSION WITH QUALITY OF LIFE OF ADOLESCENTS 12-14 YEARS OLD IN SMP NEGERI 29 SEMARANG

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ABSTRACT

Introduction: Malocclusion is an inappropriate occlusion of the teeth from normal conditions. The prevalence of malocclusion in Indonesia is still quite high. The condition of malocclusion is not only disturbing physically but also mentally so that it can reduce the quality of life. The quality of life is seen from four domains namely oral symptoms, functional limitations, emotional well-being, and social welfare. Aim to describe the relationship of dental malocclusion with the quality of life of adolescents aged 12-14 years in Semarang.

Methods: It was a cross-sectional study with 75 samples aged 12-14 years that met the research criteria. Retrieving data used the Child Perception Questionnaire for ages 11-14 years (CPQ11-14) which had been translated into Indonesian. The examination of malocclusion severity used ICON index (Index of Complexity, Outcome, and Need), and data analysis used was Rank Spearman correlation test.

Results: The results of 75 total samples found that the majority of samples with very mild malocclusion severity as many as 30 samples (40%) had a good quality of life. There was a significant correlation between dental malocclusion and overall quality of life ($p < 0.05$), in the domain of emotional well-being and social welfare there was a significant relationship ($p < 0.05$), but in the oral symptoms domain and functional limitations there was no significant relationship with malocclusion namely (p -value 0.057) and (p -value 0.061).

Conclusion: There was a significant relationship between dental malocclusion and overall quality of life ($p > 0.05$)

Keywords: Malocclusion, Quality of Life, adolescents