

THE CORRELATION BETWEEN THE LEVEL OF ORTHODONTIC TREATMENT
NEEDS AND INTEREST IN USING ORTHODONTIC APPLIANCE AMONG
CHILDREN WITH CROWDED TEETH IN SMP TAMAN DEWASA

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ABSTRACT

Background: Based on Riskesdas report (2013), the prevalence of malocclusion in Indonesia was around 80% of the population. The number increases compared with the report of Riskesdas (2007), which was 23.2%. Interest in malocclusion treatment may increase by knowing orthodontic treatment needs using Index of Orthodontic Treatment Need as a reference. If the interest for malocclusion treatment increases, orthodontic treatment needs will also increase.

Research Purpose: To investigate the correlation between the level of orthodontic treatment needs and interest in using orthodontic appliance among children with crowded teeth in SMP Taman Dewasa

Research Method: This study used cross sectional analytical survey. The sampling used total sampling with 30 respondents. The research period was October - November 2019. Data was collected by examining the orthodontic treatment needs using index of orthodontic of treatment need and questionnaire to measure interest to use orthodontic appliance among children with crowded teeth. Data analysis used Rank Spearman corCorrelationtest.

Research Result: The present study found that orthodontic treatment needs among children with crowded teeth was moderate/borderline (66,7%). Most students with crowded teeth had high interest in using orthodontic appliance (66,7%). The result of significance test of orthodontic treatment needs and interest in using orthodontic applicant is $p = 0.010$, meaning there was significant correlation between the level of orthodontic treatment needs and interest in using orthodontic appliance.

Conclusion: The level of orthodontic treatment needs had significant correlation with interest in using orthodontic appliance among children with crowded teeth.

Keywords: Orthodontic Treatment Needs, Interest in Using Orthodontic Appliance, Child with Crowded Teeth.

HUBUNGAN TINGKAT KEBUTUHAN PERAWATAN ORTHODONTI
DENGAN MINAT MENGGUNAKAN ALAT ORTHODONTI
PADA ANAK GIGI BERJEJAL SMP TAMAN DEWASA

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ABSTRAK

Latar Belakang : Berdasarkan laporan hasil Riskesdas (2013), prevalensi maloklusi di Indonesia sekitar 80% dari jumlah penduduk, jumlah ini meningkat dibandingkan hasil Riskesdas (2007), sebesar 23,2%. Minat perawatan maloklusi dapat meningkat dengan mengetahui kebutuhan perawatan orthodonti dengan acuan berupa *Index of Orthodontic Treatment Need*, jika minat perawatan maloklusi meningkat maka kebutuhan perawatan orthodonti juga akan meningkat.

Tujuan Penelitian : Mengetahui hubungan tingkat kebutuhan perawatan orthodonti dengan minat menggunakan alat orthodonti pada anak gigi berjejal di SMP Taman Dewasa

Metode Penelitian : Penelitian ini menggunakan *survey analitik* bersifat *cross sectional*, teknik pengambilan sampel menggunakan *total sampling* berjumlah 30 responden, waktu penelitian pada bulan Oktober - November tahun 2019, teknik pengumpulan data dengan cara melakukan pemeriksaan kebutuhan perawatan orthodonti menggunakan *index orthodontic of treatment need* dan pengisian kuesioner untuk mengukur minat menggunakan alat orthodonti pada anak gigi berjejal. Analisa data menggunakan uji *korelasi Rank Spearman*.

Hasil Penelitian : Pada penelitian ini diketahui bahwa kebutuhan perawatan orthodonti yang terjadi pada anak gigi berjejal termasuk dalam kriteria membutuhkan perawatan sedang/ *borderline* (66,7%). Sebagian besar siswa dengan keadaan gigi berjejal memiliki minat yang tinggi untuk menggunakan alat orthodonti (66,7%). Hasil uji signifikansi kebutuhan perawatan orthodonti dengan minat menggunakan alat orthodonti adalah $p = 0,010$, berarti ada hubungan bermakna tingkat kebutuhan orthodonti dengan minat menggunakan alat orthodonti.

Kesimpulan : Tingkat kebutuhan perawatan orthodonti berhubungan secara bermakna dengan minat menggunakan alat orthodonti pada anak gigi berjejal.

Kata Kunci : Kebutuhan Perawatan Orthodonti, Minat menggunakan Alat Orthodonti, Anak Gigi Berjejal.