

# Hubungan pengetahuan, motivasi, dan hambatan terhadap perawatan ortodonti (kajian observasional pada mahasiswa Universitas Indonesia) = The relationship between knowledge, motivation, and barriers to orthodontic treatment (an observational study of University of Indonesia students)

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## Abstrak

Latar belakang: Maloklusi merupakan bentuk penyimpangan oklusi ideal dan menjadi masalah gigi dan mulut dengan prevalensi tertinggi ketiga di dunia. Berdasarkan data Riskesdas 2018, proporsi penduduk Indonesia yang melakukan perawatan ortodonti untuk mengatasi maloklusi masih sangat rendah yaitu hanya 0,3%. Rendahnya proporsi tersebut kemungkinan disebabkan berbagai faktor seperti pengetahuan, motivasi, dan hambatan. Tujuan: Mengetahui hubungan pengetahuan, motivasi, dan hambatan terhadap perawatan ortodonti pada mahasiswa Universitas Indonesia Metode: Studi analitik observasional potong lintang pada 318 mahasiswa Universitas Indonesia Angkatan 2017. Instrumen yang digunakan yaitu tiga buah kuesioner tentang pengetahuan, motivasi dan hambatan melalui adaptasi lintas budaya. Hasil: Lebih dari 50% responden memiliki pengetahuan, hambatan, dan kemampuan terhadap perawatan ortodonti dengan kategori sedang. Terdapat 36,2% responden yang memiliki motivasi terhadap perawatan ortodonti tinggi. Uji korelasi Spearman menunjukkan terdapat hubungan yang bermakna ( $p < 0,05$ ) antara pengetahuan dan motivasi terhadap perawatan ortodonti; antara pengetahuan dan hambatan terhadap perawatan ortodonti; serta antara motivasi dan hambatan terhadap perawatan ortodonti. Motivasi merupakan faktor yang memiliki nilai korelasi terbesar ( $r = 0,798$ ,  $p < 0,05$ ) terhadap perawatan ortodonti. Kesimpulan: Mahasiswa Universitas Indonesia angkatan 2017 memiliki tingkat motivasi tinggi untuk melakukan perawatan ortodonti, tetapi memiliki tingkat pengetahuan, hambatan, dan kemampuan terhadap perawatan ortodonti sedang. Terdapat hubungan antara pengetahuan, motivasi, dan hambatan terhadap perawatan ortodonti. Motivasi memiliki nilai korelasi paling besar terhadap perawatan ortodonti.

.....Background: Malocclusion is a deviation from ideal occlusion and becomes a dental and oral health problem globally with the third-highest prevalence. According to Riskesdas 2018, the proportion of the Indonesian population who had undergone orthodontic treatment to treat malocclusion is still very low, only 0,3%. The low proportion is probably due to various factors such as knowledge, motivation, and barriers. Objective: To assess the relationship between knowledge, motivation, and barriers to orthodontic treatment among University of Indonesia students. Methods: An analytical cross-sectional study was conducted among 318 University of Indonesia students class of 2017. The instrument used was three questionnaires about knowledge, motivation, and barriers through cross-cultural adaptation. Results: More than 50% of the respondents have a moderate level of knowledge, barriers, and orthodontic treatment ability. There are 36.2% of respondents who have high motivation towards orthodontic treatment. The Spearman correlation test shows a significant relationship ( $p < 0,05$ ) between knowledge and motivation to orthodontic treatment; between knowledge and barriers to orthodontic treatment; and between motivation and barriers to orthodontic treatment. Motivation shows the highest correlation to orthodontic treatment ( $r = 0,798$ ,  $p < 0,05$ ). Conclusion: University of Indonesia students class of 2017 have a high level of motivation to perform

orthodontic treatment but have a moderate level of knowledge, barriers, and ability to orthodontic treatment. There is a relationship between knowledge, motivation, and barriers to orthodontic treatment. Motivation has the greatest correlation value to orthodontic treatment.