

# Hubungan antara kemampuan mastikasi dan kepuasan pasien terhadap perawatan gigi tiruan lengkap pengukuran menggunakan colour changeable chewing gum dan questionnaire patient's denture assessment (PDA) versi Bahasa Indonesia = Relationship between masticatory performance and patient's satisfaction towards complete denture treatment measurement using color changeable chewing gum and validated Indonesian version of patient's denture assessment (PDA)

Ariyanti Rezeki, author

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## Abstrak

**Tujuan:** Mendapatkan alat ukur kepuasan pasien terhadap gigi tiruan lengkap yaitu Patient's Denture Assessment PDA versi Indonesia yang valid dan reliabel serta menganalisis hubungan antara kepuasan pasien terhadap gigi tiruan lengkap dengan kemampuan mastikasi, usia, jenis kelamin, tingkat pendidikan, pengalaman serta lama pemakaian gigi tiruan lengkap.

**Metode:** 101 subjek 50 laki-laki dan 51 perempuan berusia 45 tahun keatas, berpartisipasi dalam uji validasi dan reliabilitas kuesioner PDA bahasa Indonesia. Uji statistik Chi-Square dan regresi logistik digunakan untuk menganalisis hubungan antara kepuasan pasien terhadap gigi tiruan lengkap dengan kemampuan mastikasi, usia, jenis kelamin, tingkat pendidikan, pengalaman serta lama pemakaian gigi tiruan lengkap.

**Hasil:** Hasil uji validasi dan reliabilitas kuesioner PDA menunjukkan, Cronbach's Alpha pada skor keseluruhan kuesioner PDA 0,708, uji validitas konvergen menunjukkan korelasi antara kepuasan pasien dan kemampuan mastikasi dengan uji spearman  $p=0,001$   $r=0,633$ . Hubungan bermakna secara statistik ditemukan antara kepuasan pasien terhadap gigi tiruan lengkap dengan kemampuan mastikasi  $p=0,000$ .

**Kesimpulan:** Kuesioner PDA-ID dapat digunakan untuk mengetahui kepuasan pasien terhadap perawatan gigi tiruan lengkap. Kemampuan mastikasi dan lama pemakaian gigi tiruan.

**Objectives:** The purpose of this study is to develop a valid and reliable Patient's Denture Assessment PDA Questionnaire in Indonesian version and to analyze the relationship between patient's satisfaction to their complete denture with masticatory performances, age, sex, education level, denture experience and the duration of their recent complete denture.

**Methods:** Total of 101 subjects 50 men, 51 women aged 45 years and older was participated in this study. Univariate, bivariate and multivariate test are done in this study, to do validity and reliability tests and also to analyze relationship between patient's satisfaction towards their complete denture with masticatory performances, age, sex, education level, denture experiences and the duration of current complete denture.

**Results:** Validation and reliability test shows Cronbach's Alpha in summary score PDA 0,708, convergent validity shows correlation between the masticatory performances with patient's satisfaction  $p$  0,001  $r$  0,633. Statistically, a significant correlation  $P$ .