

**THE CORRELATION BETWEEN LEVEL OF KNOWLEDGE AND
BEHAVIOR OF INFECTIONS PREVENTION AND CONTROL
BY DENTAL ASSISTANT IN DENTAL CLINICS DURING
THE COVID-19 PANDEMIC**

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ABSTRACT

Background: Dental practice is one activity that can spread SARS-CoV-2 transmission. Effort to prevent and control COVID-19 infections in dental practice are generally carried out by dental assistant as the front line. Adequate understanding is needed regarding infections prevention and control efforts in dental practice, especially during the COVID-19 pandemic in order to avoid transmission and spread the disease.

Objectives: To find out the correlation between level of knowledge and behavior of infections prevention and control by dental assistant in dental clinics during the COVID-19 pandemic.

Method: The type of this research was a quantitative study with an analytical observational approached using a cross sectional design. The independent variable in this research is level knowledge about infections prevention and control and the dependant variables is behavior about infections prevention and control. The research was conducted in Pontianak City on August 2022. The population of this research is 41 respondents. Those samples were chosen using total sampling technique. The instrument that used in this research were collected from knowledge and behavior about infections prevention and control questionnaires which were later analyzed using *rank spearman* test.

Result: The level knowledge of infections prevention and control in the good category (70,7%). The behavior of infections prevention and control in the good category (80,5%). Based on the *rank spearman* test showed that P. Value is 0,01 ($\alpha < 0,05$).

Conclusion: There is correlation between between level of knowledge and behavior of infections prevention and control by dental assistant in dental clinics during the COVID-19 pandemic.

Keywords: Knowledge, Behavior, Infections Prevention and Control, COVID-19.

HUBUNGAN TINGKAT PENGETAHUAN DAN PERILAKU *DENTAL ASSISTANT* DALAM PENCEGAHAN DAN PENGENDALIAN INFEKSI DI KLINIK GIGI SELAMA PANDEMI COVID-19

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ABSTRAK

Latar Belakang: Praktik kedokteran gigi merupakan salah satu kegiatan yang dapat menyebabkan transmisi penyebaran virus SARS-CoV-2. Upaya pencegahan dan pengendalian infeksi penyakit COVID-19 di praktik kedokteran gigi umumnya melibatkan *dental assistant* sebagai garda terdepan. Dibutuhkan pemahaman yang cukup mengenai upaya pencegahan dan pengendalian infeksi pada praktik kedokteran gigi terutama saat pandemi COVID-19 agar terhindar dari penularan dan penyebaran penyakit.

Tujuan Penelitian: Mengetahui hubungan antara tingkat pengetahuan dan perilaku *dental assistant* dalam pencegahan dan pengendalian infeksi di klinik gigi selama pandemi COVID-19.

Metode: Jenis penelitian kuantitatif dengan pendekatan observasional analitik menggunakan rancangan *cross sectional*. Variabel independen dalam penelitian ini adalah tingkat pengetahuan pencegahan dan pengendalian infeksi dan variabel dependen adalah perilaku pencegahan dan pengendalian infeksi. Penelitian dilakukan di Kota Pontianak pada bulan Agustus 2022. Populasi dalam penelitian adalah 41 responden. Pengambilan sampel menggunakan teknik *total sampling*. Instrumen penelitian menggunakan kuesioner pengetahuan dan perilaku pencegahan dan pengendalian infeksi. Analisis data menggunakan uji *Rank Spearman*.

Hasil: Tingkat pengetahuan tentang pencegahan dan pengendalian infeksi berada pada kategori baik (70,7%). Perilaku tentang pencegahan dan pengendalian infeksi berada pada kategori baik (80,5%). Hasil analisis menunjukkan nilai *P. Value* sebesar 0,01 ($\alpha < 0,05$).

Kesimpulan: Terdapat hubungan yang bermakna antara tingkat pengetahuan dan perilaku *dental assistant* dalam pencegahan dan pengendalian infeksi di klinik gigi selama pandemi COVID-19

Kata Kunci: Pengetahuan, Perilaku, Pencegahan dan Pengendalian Infeksi, COVID-19.