

# Kelaikan Dental Unit Dalam Mendukung Pelayanan Pemeriksaan Gigi Pada Puskesmas Di Kota Jayapura

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## Abstrak

<div style="text-align: justify;">Dental unit merupakan sarana utama dalam pelayanan kesehatan gigi yang berpengaruh terhadap mutu dan efektivitas pelayanan. Penelitian ini bertujuan menganalisis kelaikan dental unit dalam mendukung efektivitas pelayanan pemeriksaan gigi pada Puskesmas di Kota Jayapura. Penelitian menggunakan pendekatan kualitatif dengan metode wawancara mendalam, observasi, dan telaah dokumen terhadap dokter gigi, perawat gigi, kepala puskesmas, serta Dinas Kesehatan Kota Jayapura. Hasil penelitian menunjukkan bahwa secara umum dental unit masih layak digunakan untuk pelayanan pemeriksaan gigi yang didukung oleh kompetensi tenaga kesehatan dalam pengoperasian alat. Namun, efektivitas pelayanan belum sepenuhnya optimal karena keterbatasan pemeliharaan teknis, belum tersedianya tenaga elektromedis di puskesmas maupun dinaskesehatan kota, keterbatasan anggaran, serta belum terlaksananya pemeliharaan preventif dan kalibrasi secara rutin. Beberapa dental unit juga mengalami penurunan fungsi akibat usia alat dan keterbatasan suku cadang. Meskipun pelayanan tetap berjalan, kondisi tersebut berpotensi memengaruhi kualitas dalam pelayanan kesehatan gigi. Penelitian ini menyimpulkan bahwa kelaikan dental unit di Puskesmas Kota Jayapura masih berada pada kategori layak pakai, namun diperlukan penguatan sistem pemeliharaan, dukungan sumber daya, dan pengelolaan alat kesehatan yang lebih terencana untuk menjamin efektivitas pelayanan secara berkelanjutan. Kata kunci: dental unit, kelaikan alat kesehatan, efektivitas pelayanan, pemeliharaan alat kesehatan, pelayanan kesehatan gigi.</div><hr /><div style="text-align:

justify;">Dental units are the primary facilities in dental healthcare services and play a crucial role in determining the quality and effectiveness of service delivery. This study aimed to analyze the feasibility of dental units in supporting the effectiveness of dental examination services at Community Health Centers (Puskesmas) in Jayapura City. A qualitative approach was employed using in-depth interviews, observations, and document reviews involving dentists, dental nurses, heads of Community Health Centers, and representatives from the Jayapura City Health Office. The findings revealed that, in general, dental units remained suitable for use in dental examination services, supported by the competency of healthcare personnel in operating the equipment. However, service effectiveness had not been fully optimized due to limitations in technical maintenance, the absence of biomedical engineering personnel at both the Community Health Center and Health Office levels, budget constraints, and the lack of routine preventive maintenance and calibration. Several dental units also experienced functional deterioration as a result of aging equipment and limited availability of spare parts. Although dental services continued to be delivered, these conditions had the potential to affect the quality of dental healthcare services. This study concludes that the dental units at Community Health Centers in Jayapura City are still considered fit for use; however, strengthening maintenance systems, resource support, and more systematic medical equipment management is necessary to ensure sustainable service effectiveness.&nbsp; Keywords: dental unit, medical equipment feasibility, service effectiveness, medical equipment maintenance, dental healthcare services.</div>