

**POLITEKNIK KESEHATAN TANJUNGPINANG**  
**JURUSAN TEKNIK GIGI**

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Pembuatan Gigi Tiruan Sebagian Lepas akrilik *Free End* Rahang Atas dan Paradental Rahang Bawah dengan Kasus *Mesio-Angular* Gigi 38 Disertai Linggir yang Berbeda

Xvi + 54 halaman + 57 Gambar + 2 Tabel + 8 Lampiran

**RINGKASAN**

Gigi tiruan sebagian lepasan merupakan gigi tiruan yang diindikasikan untuk pasien dengan kehilangan sebagian gigi aslinya dan dapat dilepas pasang oleh penggunanya. Penulis mengangkat kasus pembuatan gigi tiruan sebagian lepasan akrilik, dimana pasien mengalami kehilangan gigi 18,26,27,28,36,37,48. Gigi 38 mengalami kelainan pertumbuhan dengan posisi *mesio-angular* serta bentuk linggir yang berbeda pada rahang atas dan rahang bawah.

Tujuan penulisan laporan tugas adalah untuk mengetahui desain, teknik pemilihan dan penyusunan gigi, kendala-kendala dan cara mengatasinya agar didapatkan fungsi pengunyahan serta retensi dan stabilisasi yang baik.

Prosedur pembuatan dimulai persiapan model kerja, *surveying*, *block out*, transfer desain, pembuatan cengkeram, basis dan *biterim*. Selanjutnya penanaman okludator, pemilihan dan penyusunan elemen gigi, *wax contouring*, *flasking*, *boiling out*, *packing*, *curing*, *deflasking*, *finishing* dan *polishing*.

Hasil, warna elemen gigi sesuai surat perintah kerja, basis mengkilap dan tidak porus. Saat diinsersikan ke pasien retensi dan stabilisasi baik, cepat, tidak menekan dan mudah dilepas pasang oleh pasien. Simpulan, desain yang digunakan tapal kuda dengan cengkeram *half Jackson* pada gigi 14,25,35,44. Pemilihan elemen gigi berukuran 36 (besar) dan warna A3. Gigi molar satu kiri rahang atas dan rahang bawah disusun normal, sedangkan molar dua kiri tidak normal karena pengaruh molar tiga kiri rahang bawah yang mengalami pertumbuhan *mesio-angular*. Kendala, saat *flasking* rahang bawah terdapat *undercut* dan pengolesan *vaseline* kurang merata sehingga *gips cuvet* atas menempel pada *cuvet* bawah. Cengkeram *half Jackson* pada gigi 35 tidak tertanam *gips*. Saran, tekniker harus mempunyai pengetahuan dan keterampilan memilih dan menyusun gigi dan berhati-hati saat *flasking*.

Kata kunci : Akrilik, *Mesio angular*, Linggir Alveolar  
Daftar bacaan : 21 (1991 – 2023)

**TANJUNGPURANG HEALTH POLYTECHNIC  
DENTAL TECHNICIAN DEPARTMENT**

Scientific Literature, June 2024

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Manufacture of Free End Acrylic Removable Partial Dentures for Maxilla and Paradental for Mandible with 38 Teeth Mesio-Angular Cases by Different Ridge Shapes

Xvii + 54 Pages + 57 Figures + 2 Tables + 8 Attachment

**ABSTRACT**

Removable partial dentures was the artificial teeth that indicated for patients who have lost some of their natural teeth and can be removed by the user. The author raised a case of manufacture acrylic removable partial dentures, where the patient has tooth loss 18,26,27,28,36,37,48. Tooth 38 has growth abnormalities with a mesio-angular position and different ridge shapes on the upper and lower jaw.

The purpose of write an assignment report was to find out the design, techniques for selecting and arranging teeth, obstacles and how to overcome them in order to obtain good masticatory function as well as retention and stabilization.

The manufacture procedure begins with working model preparation, surveying, block out, design transfer, making grips, bases and biterim. Next is mounting the occludator, selecting and arranging tooth elements, wax contouring, flasking, boiling out, packing, curing, deflasking, finishing and polishing.

The results, the color of the tooth elements accorded to the work order, the base was shiny and not porous. When inserted into the patient, retention and stabilization were good, firm, not pressed and easy to removed by the patient. In conclusion, the design used a horse shoe with a half Jackson clasp on teeth 14,25,35,44. Selection of tooth elements measured 36 (large) and color A3. The maxillary and mandibular left first molars were arranged normally, while the left second molar was abnormal due to the influence of the mandibular left third molar has mesio-angular growth. The problem was that when flasking the lower jaw there was an undercut and the application of vaseline was not evenly spread so that the cast of the upper cuvet sticked to the lower cuvet. The half Jackson clasp on tooth 35 was not covered in a cast. Advice, technicians must have knowledge and skills in selecting and arranging teeth and be careful when flasking.

Keywords : Acrylic, Mesio Angular, Alveolar Ridge  
Reading List : 21 (1991 – 2023)