

## **POLITEKNIK KESEHATAN TANJUNGPINRANG**

### **JURUSAN TEKNIK GIGI**

Laporan Tugas Akhir, Mei 2023

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Prosedur Pembuatan Gigi Tiruan Sebagian Lepasn Akrilik Dengan Kehilangan Gigi 15 16 26 35 36 Dan 46 Pada Kasus Edentulous Area Yang Sempit

Xvii + 46 halaman + 37 Gambar + 2 Tabel

#### **RINGKASAN**

Kehilangan gigi sebagian atau seluruhnya *edentulous* merupakan suatu keadaan lepasnya satu atau lebih gigi dari tempatnya. Pada laporan kasus yang penulis dapatkan pada saat praktik kerja lapangan terdapat kehilangan gigi 15, 16, 26, 35, 36 dan 46 dengan kasus *edentulous* area yang sempit

Tujuan dari penulisan Laporan Tugas Akhir ini yaitu untuk mengetahui desain basis yang akan digunakan, teknik penyusunan elemen gigi, serta kendala-kendala dan cara mengatasinya dalam pembuatan gigi tiruan sebagian lepasn akrilik pada kasus *edentulous* area yang sempit.

Prosedur laboratorium meliputi penerimaan model kerja, pembuatan desain pada model kerja, *survey* dan *block out*, pembuatan cengkeram, penanaman artikulator, penyusunan gigi, *wax counturing*, *flasking*, *boiling out*, *packing*, *curing*, *deflasking*, *finishing*, dan *polishing*.

Hasil yang didapatkan gigi tiruan sesuai dengan desain pada SPK, gigi tiruan saat di insersikan tidak ada hambatan, retensi dan stabilisasi cukup baik, basis gigi tiruan halus dan mengkilap serta tidak porus, gigi tiruan dapat diterima oleh pasien dan dokter gigi, estetik cukup baik dan warna basis sesuai dengan warna gusi, pengurangan gigi tiruan pada rahang bawah seharusnya berbentuk titik kontak namun pada hasilnya berbentuk bidang kontak, dikarenakan penulis memperhatikan *edentulous* area yang sempit pada saat penyusunan, tanpa melihat kembali bentuk anatomi gigi. Kesimpulannya desain basis yang digunakan tapal kuda, dan penggunaan cengkeram C di gigi 14, 25, 34 dan 45, cengkeram tiga jari di gigi 27 dan 47, oklusal rest pada gigi 17 dan 47. Penulis mendapatkan kendala pada saat penyusunan gigi karena adanya *edentulous* area yang sempit.

Kata kunci : Gigi Tiruan Sebagian Lepasn, *Edentulous*

Daftar bacaan : 20 (1991-2022)

**TANJUNGPURBAN HEALTH POLYTECHNIC**  
**DEPARTMENT OF DENTAL TECHNICIAN**

Final Project Report, May 2023

Niken Dhea Gunanda

Procedure for Making Acrylic Removable Partial Dentures With Loss of Teeth 15

16 26 35 36 And 46 In Edentulous Cases With Narrow Areas

Xvii + 46 pages + 37 Figures + 2 Tables

**ABSTRACT**

Partially or completely edentulous tooth loss is a condition in which one or more teeth are removed from their place. In the case report that the author got during the field work practice there were loss of teeth 15, 16, 26, 35, 36 and 46 with a narrow edentulous area case

The purpose of writing this Final Project Report is to find out the design of the base to be used, the techniques for arranging tooth elements, as well as the constraints and how to overcome them in the manufacture of acrylic removable partial dentures in cases of narrow edentulous areas.

Laboratory procedures include receiving working models, making designs on working models, surveying and blocking out, making clutches, implanting articulators, setting teeth, wax contouring, flasking, boiling out, packing, curing, deflasking, finishing, and polishing.

The results obtained by the denture are in accordance with the design of the SPK, the denture when inserted there are no obstacles, the retention and stabilization are quite good, the denture base is smooth and shiny and not porous, the denture is acceptable to patients and dentists, the aesthetics are quite good and the color of the base matches the color of the gums, the reduced denture on the lower jaw should be in the form of a contact point but in the end it is in the form of a contact area, because the author paid attention to the narrow edentulous area during arrangement, without looking back at the anatomical shape of the teeth. In conclusion, the basic design used horseshoes, and the use of C clasps on teeth 14, 25, 34 and 45, three finger clasps on teeth 27 and 47, occlusal rest on teeth 17 and 47. The author had problems when arranging the teeth because of the edentulous area narrow.

Keywords : Removable Partial Denture, Edentulous

Reading list : 20 (1991-2022)