

PERBEDAAN TEKNIK PEMBUATAN GIGI TIRUAN LEPASAN RESIN AKRILIK (*COMPRESS MOULDING*) DAN *THERMOPLASTIK THERMOSENS (INJECTION MOULDING)*

ABSTRAK

Latar Belakang: gigi tiruan lepasan *resin akrilik / PMMA* pada umumnya adalah gigi tiruan dengan teknik pembuatan *compress moulding* yang sering digunakan. Dengan berkembangnya teknologi gigi tiruan lepasan memiliki inovasi teknik pembuatan terbaru yaitu teknik injeksi. **Tujuan:** Untuk mengetahui perbedaan dari proses pembuatan gigi tiruan lepasan menggunakan teknik *compress moulding* dan *injection moulding*. **Tinjauan Pustaka:** basis gigi tiruan lepasan dibedakan menjadi 3 yaitu *resin akrilik / PMMA*, *thermoplastik thermosens*, dan gigi tiruan kerangka logam dari ketiga nya memiliki proses teknik pembuatan yang berbeda beda. **Kesimpulan:** gigi tiruan dengan teknik pembuatan injeksi jauh lebih baik dari teknik pembuatan *compress moulding*

Kata kunci: gigi tiruan lepasan resin akrilik / PMMA, thermoplastik thermosens, teknik pembuatan gigi tiruan *compress moulding*, *injection moulding*

DIFFERENCES IN FABRICATION TECHNIQUE OF ACRYLIC RESIN REMOVABLE DENTURE (COMPRESSION MOULDING) AND THERMOPLASTIK THERMOSENS REMOVABLE DENTURE (INJECTION MOULDING)

ABSTRACT

Background: Compression moulding is the most commonly used technique in fabrication an acrylic resin removable denture or PMMA. As technology develops, an injection moulding is invented as the new technique in removable denture fabrication. **Purpose:** To know differences between compression moulding technique and injection moulding technique in the removable denture fabrication process. **Literature review:** There are three base materials of removable denture, and those materials divide into acrylic resin/PMMA, thermoplastic thermosens, and metal alloy which have different techniques in removable denture fabrication. **Conclusion:** A removable denture which uses injection moulding technique is better than compression moulding technique.

Keywords: Acrylic resin removable denture/PMMA, Thermoplastic thermosens, Compression moulding technique, Injection moulding technique.