

THE COLOUR CHANGING EFFECT OF *HEAT CURED* ACRYLIC PLATE
WITH *GLASS FIBER 3% ADDITION* ON *ALPINIA GALANGA INFUSE***ABSTRACT**

Background. The heat cured acylic resin is commonly used as denture base in dentistry. Glass Fiber is used to increase transverse strength in acrylic resin. *Alpinia Galanga* contains aetheric oil that has anti candida albicans effect, and tanin which can cause colour changing in acrylic resin. **Purpose.** The aim of this study was to know about the colour changing decrease of heat cured acrylic resin with Glass Fiber 3% addition after immers in *Alpinia Galanga* 7,5% infuse. **Method.** This research was done in two groups of acrylic resin. Group 1 is acrylic resin with Glass Fiber 3% addition and group 2 is acrylic resin without Glass Fiber 3% addition. Two groups of acrylic resin immersion in *Alpinia Galanga* 7,5% infuse for 1 day, 7 days, and 15 days. Colour changing of two groups of heat cured acrylic resin measured with spektofotometer optic. **Results.** There were significant differences of colour changing between acrylic resin with Glass Fiber 3% addition and acrylic resin without Glass Fiber 3% addition. **Conclusion.** Colour changing in acrylic resin with Glass Fiber 3% addition decrease after immers in *Alpinia Galanga* 7,5% infuse. **Key words:** Heat cured acrylic resin, Glass Fiber, *Alpinia Galanga* infuse

