EFEKTIVITAS PERENDAMAN RESIN AKRILIK *HEAT CURED* DALAM INFUSA DAUN KEMANGI 50% TERHADAP KEKUATAN IMPAK

EFFECTIVITY OF HEAT CURED ACRYLIC RESIN IMMERSION IN 50% KEMANGI LEAVES INFUSION TOWARDS ITS IMPACT STRENGTH

ABSTRACT

Background. *Kemangi leaves infusion, can be used as denture cleanser. It contains eugenol that derivative compound of phenol. Acrylic resins when contacted with phenol will have chemical effects on the surface of acrylic resins. It will affect the physical properties of acrylic resin, namely impact strength.* ***Purpose.*** *The purpose of this research was to know the impact strength of heat cured acrylic resin after immersed in 50% kemangi leaves infusion about 8, 15, and 23 days.* ***Method.*** *Sample was rectangular 65 mm x 10 mm x 2,5 mm, devided into 6 groups and each group contain 9 samples. The data was analyzed statistically using Independent T-Test with the level of significance 0,05.* ***Result.*** *There were no significant differences of acrylic resins impact strength that immersed in aquadest and 50% kemangi leaves infussion after 8,15, and 23 days.* ***Conclusion.*** *The result showed that 50% kemangi leaves infussion did not influence the impact strength of acrylic resins heat cured type.*

Keywords : *Acrylic resin, 50% kemangi leaves infusion, impact strength*