EFEK LAMA PERENDAMAN RESIN AKRILIK JENIS *HEAT CURED* DALAM MINUMAN COKLAT TERHADAP PERUBAHAN WARNA

(soaking effect heat cured acrylic resin type in chocolate drink on color changes)

ABSTRACT

Background. *The risk of dental caries in Indonesian society is still quite high. This condition impacting on the number of cases of tooth loss in the oral cavity on each person. In urban areas, the average community in the productive age has much to have a tooth arrangement is not complete anymore. Therefore many of those who use removable dentures (denture) as a replacement tooth that has been lost. Currently denture needs in large cities growing rapidly along with the increasing public awareness about the importance of the integrity of the urban structure of the teeth in the oral cavity.* ***Purpose.*** *To know the color changes that occur on acrylic resin denture when done soaking in chocolate drinks.* ***Methods.*** *Samples were deliberately chosen according to criteria of the sample, if not match, making the sample is repeated until obtaining a suitable sample criteria. Long immersion type heat cured acrylic resin in 10% chocolate drinks for 4 days, 8 days, 12 days, and 16 days of immersion. Change the color of acrylic resin caused by soaking in a chocolate beverage was measured using computer software programs grayscale image that will produce an image / pattern recognition in image form HBS (Hue, Brightness, Saturation), which in this study using image HBS. However, in this study uses the results of brightness that can show the brightness..* ***Result.*** *The result was analyzed the results using independent sample T-test at 5% significance level to determine if there are differences in color changes in acrylic resin using a computer statistical software program SPSS Version 16.0 for Windows to find out more about the differences that exist among the groups.* ***Conclusion.*** *Acrylic resin immersion in chocolate drinks can cause discoloration becomes darker. Acrylic resin color changes began to occur after immersion chocolate drinks for 4 days and the acrylic resin absorption ability decline with time.*

Keyword: Acrylic resin, Chocolate drink, Immersion, Brightness, Discoloration