

## Pengaruh minuman kopi terhadap perubahan warna pada resin komposit (eksperimental laboratoris)

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### Abstrak

**Objective:** The aim of this research was to investigate the influence of coffee beverage on hybrid composite resin discoloration. **Material and Method:** This study used hybrid composite resin with A3 color, and was done by soaking composite resin plates in coffee solution for 1, 3, 5 and 7 days, corresponding to equivalent coffee usage for 6 months, 1, 1.5, and 2 years. The same measurements of reflectance were done before and after soaking into coffee solution. In the measurement, a beam from He-Ne laser is reflected by the sample to a photovoltaic cell of type BPY -47, which provides a voltage signal according to the intensity of reflected light. **Results:** There was a significant difference between composite resin plates before and after soaking into a coffee solution, suggesting that coffee usage will have a discoloring effect of dental composite resin.