

## Pengaruh berbagai kondisioner dentin (asam fosfat) terhadap kekuatan tarik antara adhesive resin (HNPM/TEGDMA) dengan jaringan dentin

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### Abstrak

The aim of this research is to see the effect of various dentin conditioners (phosphoric acid) to the bond strength between resin adhesive HNPM/TEGDMA (2 Hydroxy-3,2-Naphoxy-Propyl Methacrylate/Trieten Glikol di Methacrylate) and dentin tissue of bovine teeth. Dentin conditioner that was used are phosphoric acid solution 10%, 25%, 35% (Group A1, A2, A3). Specimens was divided into 3 Groups, each group has 10 specimens. Bond strength test used "Universal Testing Machine". A G 5000 and SHIMADZU type. The result of this research shows average differences of bond strength of each group. Anova test there is a significant difference (8.485 and  $p < 0,05$ ). Double comparison Tukey test among groups generally are significant different ( $p < 0,05$ ) except between A2 and A3 group. The result of the research states there are effects of various dentin conditioners to the bond strength between resin adhesive NHPM/TEGDMA and dentin tissue.