

Pengaruh perendaman gigi dalam minuman kopi dengan berbagai buangan asap penyangraian biji kopi terhadap perubahan warna gigi = Effect of soaking teeth in coffee beverage with various exiles smoke roasting of coffee beans to tooth discoloration

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Abstrak

Asam klorogenat di dalam kopi dapat menyebabkan diskolorasi eksternal pada gigi. Untuk mengetahui pengaruh metode buangan asap penyangraian biji kopi terhadap perubahan warna gigi, 18 spesimen gigi direndam di dalam larutan kopi dengan metode: tanpa buangan asap, buangan asap separuh, dan buangan asap penuh selama 30 jam, 45 jam, atau 60 jam. Perubahan warna diperoleh melalui alat uji Vita Easyshade dan dihitung berdasarkan rumus CIE L*, a*, b*. Hasil menunjukkan nilai E* yang tidak signifikan ($p > 0,05$). Disimpulkan bahwa variasi buangan asap penyangraian biji kopi tidak mempengaruhi perubahan warna gigi.

.....Chlorogenic acid in coffee cause external discoloration of the teeth. To know the effect of various exiles smoke roasting of coffee bean method to tooth discoloration, eighteen tooth specimens were immersed in coffee solution with roasting method without exiles smoke, half exiles smoke, and full exiles smoke for 30 hours, 45 hours, or 60 hours. The color alteration were calculated with CIE L*, a*, b* formula using Vita Easyshade machine. Before and after immersion showed differences E* were not significant ($p > 0.05$). Variations of exiles smoke roasting coffee method does not affect tooth discoloration.