

**PENGARUH PERENDAMAN EKSTRAK DAUN SALAM
(*Syzygium polyanthum* (Wight) Walp.) TERHADAP
PERUBAHAN WARNA ANASIR
GIGI AKRILIK**



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Pengaruh Perendaman Ekstrak Daun Salam (*Syzygium Polyanthum* (Wight) Walp.) Terhadap Perubahan Warna Anasir Gigi Akrilik

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ABSTRAK

Latar Belakang: Ekstrak daun salam dapat digunakan sebagai alternatif pembersih gigi tiruan dari bahan alami karena kandungan anti mikroba namun kandungan flavonoid, tannin, minyak atsiri, asam sitrat dan eugenol pada daun salam tersebut berpotensi memicu perubahan warna anasir gigi tiruan akrilik. **Tujuan:** Mengetahui pengaruh perendaman ekstrak daun salam terhadap perubahan warna pada anasir gigi tiruan. **Metode:** Jenis penelitian Eksperimental murni menggunakan *pretest - posttest with control group design*. Menggunakan sampel anasir akrilik merek caiyu, bagian anterior gigi 11 dan 21 shade A2, masing-masing 7 sampel pada kelompok yang direndam dengan aquades, ekstrak daun salam 40%, 80%, dan 100%. **Hasil:** Hasil analisis didapatkan mean untuk konsentrasi 40% sebesar 1,86, 80% sebesar 4,16, 100% sebesar 4,64, dan aquades sebesar 0,96. Hasil uji *One Way ANOVA* didapatkan nilai $p < 0,05$, artinya terdapat perbedaan rata-rata yang signifikan pada setiap kelompok perlakuan. Analisis *Post Hoc LSD* terdapat perbedaan yang signifikan antara kelompok 100% dan 80% dengan aquades, namun tidak terdapat perubahan warna signifikan antara perendaman ekstrak 40% dengan aquades. **Kesimpulan:** Terdapat pengaruh perendaman ekstrak daun salam terhadap perubahan warna anasir gigi tiruan akrilik.

kata kunci: anasir gigi tiruan, daun salam, pembersihan gigi tiruan



***The Influence Of Soaking Bay Leaf Extract (Syzygium Polyanthum (Wight) Walp.)
On The Color Change Of Artificial Teeth Acrylic Denture.***

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ABSTRACT

Background: Bay leaf extract can be used as an alternative to natural denture cleaners because of its anti-microbial content but the flavonoids, tannins, essential oils, citric acid and eugenol in bay leaves have the potential to cause discoloration of acrylic denture annulments. **Objective:** To determine the effect of bay leaf extract soaking on the discoloration of denture annulus. **Methods:** Pure experimental research using pretest - posttest with control group design. Using caiyu brand acrylic anir samples, the anterior part of teeth 11 and 21 shade A2, 7 samples each in groups soaked with distilled water, bay leaf extract 40%, 80%, and 100%. **Results:** The results of the analysis obtained a mean for 40% concentration of 1.86, 80% of 4.16, 100% of 4.64, and distilled water of 0.96. The One Way ANOVA test results obtained a value of $p < 0.05$, meaning that there is a significant average difference in each treatment group. Post Hoc LSD analysis there was a significant difference between the 100% and 80% groups with distilled water, but there was no significant color change between the 40% extract immersion with distilled water. **Conclusion:** There is an effect of bay leaf extract soaking on the color change of acrylic denture.

keywords: bay leaves, denture cleaning, denture elements

