



Cover Media Jurnal



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The effect of toothbrushing by siwak toothpaste using Bass technique on plaque accumulation on dental students whom wearing fixed orthodontic appliance from Airlangga University (Experimental Research)

Pengaruh menyikat gigi dengan pasta gigi siwak menggunakan teknik Bass terhadap akumulasi plak pada mahasiswa pengguna peranti ortodonti cekat di Fakultas Kedokteran Gigi Universitas Airlangga (Penelitian Eksperimental)

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Abstract

Background: The people who used fixed orthodontic appliances are required to have more effective oral cavity cleansing than those who are not (users), because there are some parts of fixed orthodontic which attached into the teeth. Siwak toothpaste has a wide range of ingredients, including: polyphenols, flavonoids, fluoride, and essential oils. Certainly, all of this material may work well to reduce the plaque accumulation resulting on the teeth with the aid of a good toothbrush, too. The Bass technique is suggested to the people who used fixed orthodontic appliances, because of it's method. Purpose: The goal of this study is to find out about the effectivity of miswak toothpaste in reducing plaque accumulation in the teeth. Methods: The sample were the dentist student in Airlangga University aged 17-25 years, male and female, wearing fixed orthodontic appliance in maxilla and mandible, one sample was given three kinds of treatment. The sample use Bass technique. At the first day, the samples used the placebo toothpaste, at the second day, they used miswak toothpaste, and the third day, only brushed the teeth without the paste. After that, do the fasting for 4 hours, added the disclosing agent into the teeth, mouthwashed once, then, checked the plaque accumulation based on OPI score. Result: There was significant difference between the used of placebo toothpaste and miswak toothpaste ($p=0.000$)

Keyword : fixed, orthodontic, dental, plaque, miswak, toothpaste, Bass, technique, ,

Abstrak

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