

# The Difference of Plaque Index between Family-Care and Institution-Care Children

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## Introduction

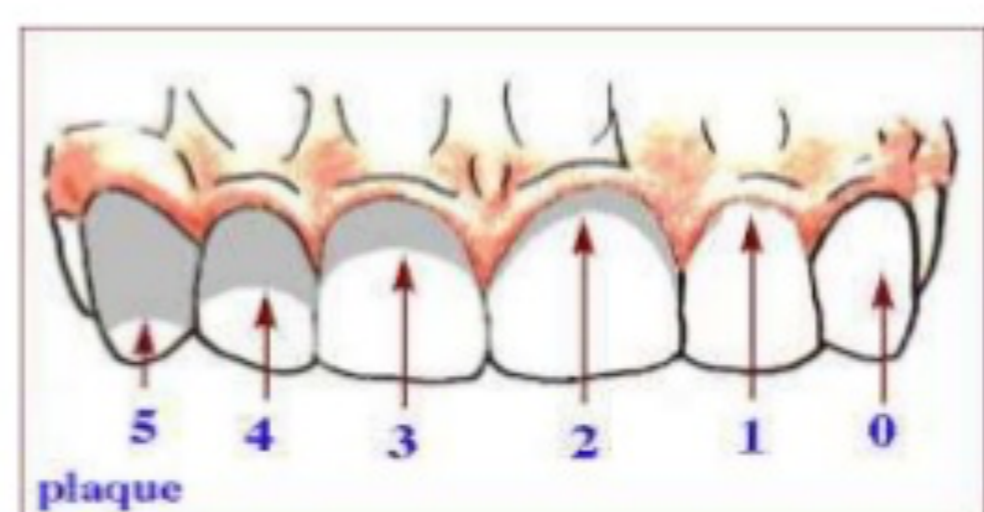
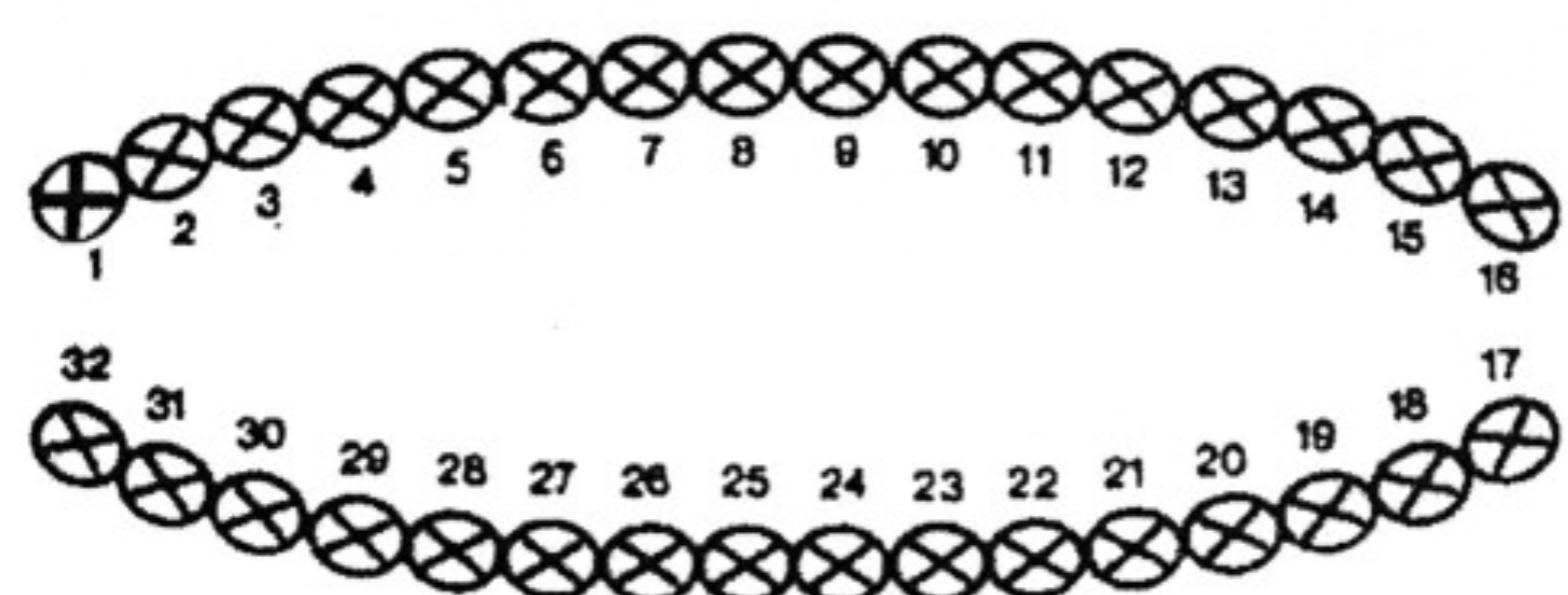
Parents have a role in children's character building. Social Government of Yogyakarta has a Social Rehabilitation and Childcare Center Institution that provides a rehabilitation for children who have social problems, such as children abandonment by their parents. The children in BRSPA are looked after by foster parent in their daily life. The parent's role is mainly needed in educating, giving attention, giving understanding, and providing facilities to children, so that later children are able maintain their teeth's cleanness. Teeth's cleanliness can identified by plaque index

## Objectives

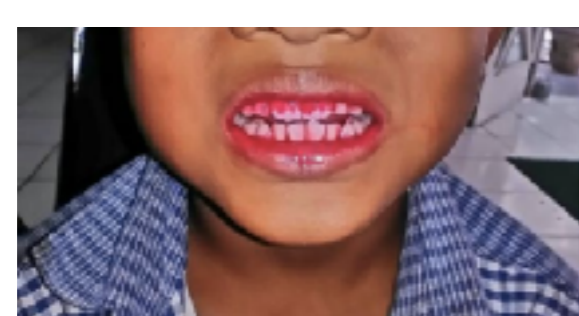
The purpose of this study was to obtain the difference of plaque index between family-care and institution-care children.

## Methods

This study used observational method with cross sectional approach. The study was conducted by examining the condition of plaque subjects, 35 family-care children (group 1) and 35 institution-care children (group 2). The plaque scoring used O'Leary plaque index. The data were analyzed using Mann Whitney test.



O'Leary plaque index



FORM PEMERIKSAAN PLAK

Nama : \_\_\_\_\_ Anak Asuhan Keluarga : \_\_\_\_\_  
 Alamat : \_\_\_\_\_ Kecamatan : \_\_\_\_\_  
 Tanggal : \_\_\_\_\_ Diplolok tanggal : \_\_\_\_\_

Sebelum menyikat gigi

11 21

41 31

Setelah menyikat gigi

11 21

41 31

Diperiksa oleh : \_\_\_\_\_

## Results

There was significant difference between group 1 and 2 ( $p < 0,05$ ) on plaque index before brushing and after brushing. The difference score of plaque index before-after brushing between groups also have significant difference ( $p < 0,05$ )

## Discussion

In this research, institution-care children group has higher plaque index score before brushing. This condition reflected that oral health knowledge and habit between both groups were different. It was showed by the capability of brushing technique between both groups. Parent's role were important due to maintaining oral and dental health. Parent's role that substitute by the guardian or foster parents should give influences to their children about good habit of maintaining oral health. Simple activity, such as remind the children to brushing their teeth and show to the children the correct technique of teeth brushing, could be done to maintain oral and dental health.

## Conclusion

There were differences of plaque index (before, after, and before-after) between family-care and institution-care children.

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