TEST DIFFERENT SEEDS TAMARIND WITH CLOVES IN LOWERING OHI-S ON THE STUDENTS OF SMK YOSHUA MEDAN MEDAN PERJUANGAN SUBDISTRICT 2015

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ABSTRACT

Leftovers are tucked along the bacteria will form a colony called plaque. The plaque if not removed the email will destroy teeth and eventually caused cavities. The initial survey indicates multiplicity of debris and calculus at the mouth of the students of SMK Yoshua Medan, Medan Perjuangan Subdistrict. Utilization of tamarind and clove is expected to be used as a pasta alternative in the decline of OHI-S. This research aims to know the difference between tamarind with cloves in a downturn OHI-S on the students in SMK Yoshua Medan. Research is done by using a quasi experimental design pre test – post group design. Analysis done with test t-Test dependent and independent t-Test. The results showed that Seeds Tamarind has the ability in lowering OHI-S ($p < 0,05$); Likewise with the clove on the significance of 5% is able to degrade OHIS ($p < 0,05$). However, when compared both, However, when compared both, it turns out the ability of Tamarind Seed in lowering OHI-S is no different with cloves ($p > 0.05$)

Key words: Tamarind seeds, cloves, OHI-S

BACKGROUND

Oral health is very important because of damaged teeth and gums and not cared for will cause pain, disorder of mastication and can interfere with the health of the body. Leftovers are tucked along the bacteria will form a colony called plaque. The plaque if not removed by brushing the teeth, The plaque if not removed by brushing the teeth, will destroy the tooth and eventually lead to email gigi perforated. The initial survey was conducted indicates multiplicity of debris and calculus at the mouth of the students of SMK Yoshua Medan, Medan Perjuangan Subdistrict. Utilization of tamarind and clove is expected to be used as a pasta alternative in the decline of OHI-S. Seeds tamarind *(Tamarindus indica)* during this time only as waste. Tamarind seed extract have the ability in the fight against bacteria. Chemical content of fruit of the tamarind pods contain chemical compounds, among others appel acid, citric acid, sour grapes, acid tartrate, succinic acid, pectin and sugar invert. Tamarind seeds other than as a cure wounds can also remove the coral on the teeth. Likewise with cloves, not only is used to cure toothache, a compound present in cloves can also help eradicate the microorganism in tartar.

PROBLEMS

Is there a difference in usage compared with Tamarind Seeds and cloves in lowering OHI-S on the students in SMK Yoshua Medan, Medan Perjuangan Subdistrict

RESEARCH OBJECTIVES

To know the difference between tamarind with cloves in a downturn OHI-S on the students in SMK Yoshua Medan Medan Perjuangan Subdistrict

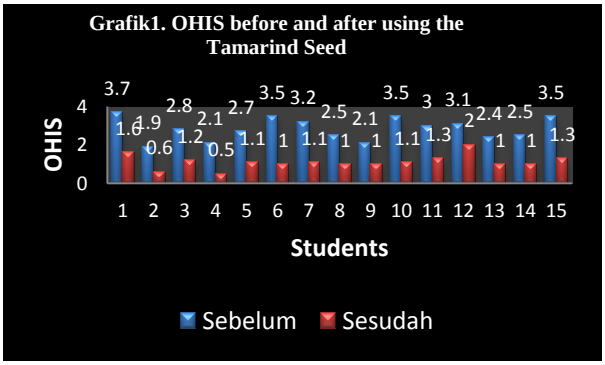
RESEARCH METHODS

This research uses quasi Experimental design method of pre-post test group design. The number of samples in each group of 15 students who represent the class X and Class XI. Determination of the number of samples for each class is proportionately, so for class X as much as 7 students and grade 8 students at the XI of each group's treatment. OHI-S will be set with an examination of Debris index and Calculus index.

RESULTS

Test research on differences between the use of tamarind seeds with cloves in lowering OHI-S in students of SMK Yoshua Medan shows that these two have the ability in

lowering OHI-S ($p < 0,05$). It is also visible on the graph 1 and graph 2



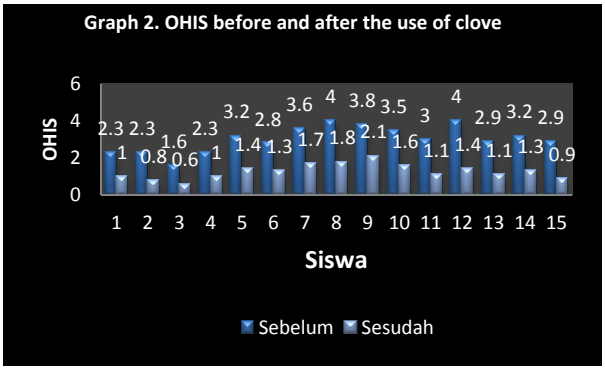


Table 1. OHI-S test results before and after Treatment

Treatment	Mean	df	t	p
Tamarind Seed	1.71333	14	14.898 (1.46668 - 1.95999)	0,0001
Clove	1.75333	14	17.219 (1.53494 - 1.97173)	0,0001

Table 2.OHI-S Difference between test results Seeds Tamarind with Clove

Treatment	Mean	F	Sig	t	df	p
Tamarind Seed	1.780					
Clove	1.820	0,826	0,371	-0,221	28	0,827

Table 1 shows that the seeds of the Tamarind has the ability in lowering OHI-S ($p < 0,05$); likewise with the clove on the significance of 5% is able to degrade OHI-S ($p < 0,05$). However, when compared both, It turns out the ability of Tamarind Seed in lowering OHI-S is no different with cloves ($p > 0.05$). This is because both have substances that function in oral health. Where Seeds Tamarind can eliminate former nicotine on teeth, gums or cracked overcoming and treating thrush. While Clove contains eugenol as a result of the isolation of the clove oil has been used to cure toothache and mixed material. In addition, Clove may inhibit the growth of bacteria *Streptococcus mutans* and *Streptococcucs viridans* which can lead to the occurrence of dental plaque.

SUMMARY

1. Tamarind seed and clove powder can be used to lower OHI-S manner rubbed on the tooth.
2. The ability of both are the same and there is no difference in lowering OHI-S

REFERENCE

Aulia, N, 2010. Guidelines Of Cultivation Of Cloves. Bandung.

Muljana,W, 2010. Bercocok Tanam Cengkeh. Edisi Revisi

Notoatmodjo, S, 2010. Metodologi Penelitian Kesehatan. Rineka PT. Cipta, Jakarta

Putri, M.H, E Herlijulianti dan N Nurjannah, 2012. Ilmu Pencegahan Penyakit Keras dan Jaringan Pendukung Gigi. Jakarta : EGC

Rukmana , R.H, 2005. Asam. Yogyakarta

Warsidi, E, 2010. Menjaga Kebersihan Gigi dan Mulut, Pustaka Nasional