LEVEL Streptococcus mutans PADA SALIVA ANAK SETELAH KUMUR INFUSA Fragaria vesca L (Strawberry) DAN OBAT KUMUR Povidone Iodine

(LEVEL Streptococcus mutans IN SALIVARY CHILDREN AFTER RINSES Fragaria vesca L (Strawberry) INFUSE AND Povidone Iodine MOUTHWASH)

ABSTRACT

Background. Mouth is one of our body parts that have a lot of micro-organisms. The population of micro-organism in mouth is higher than the other part of our body. Streptococcus mutant is a cariogenic bacterium that has the capability to produce polysaccharide and initiate the process of carries. There are many ways for preventing dental carries, one of them is using of antiseptic mouth washes. Purpose. The aim of this study is to compare the level Streptococcus mutans in saliva children after rinsed Infuse Strawberry 45% and Povidone Iodine 1% mouthwash. Method. Clinical experimental with same subject, pre-test and post-test control grup design. Saliva samples are taken from 23 children that come in Benowo 1 Kawasan Surabaya. 23 children who performed 2 treatment. Patients were instructed to rinse by 45% infuse of strawberry and 1 % Povidone Iodine. Then, saliva was test by saliva check mutans. Result. Result of Wilcoxon signed rank test showed there was not significant different with level Streptococcus mutans in saliva children that are rinsed by 45 % infuse of strawberry and 1 % Povidone Iodine (p > 0.05). Result of friedman test show there where significant different in each groups (p < 0.05). Conclusion. level Streptococcus mutans is low in saliva children after rinse of infuse strawberry and povidone iodine 1%.

Key words: Infuse strawberry, Povidone Iodine mouthwash, level Streptococcus mutans