

DAFTAR PUSTAKA

1. MK Alam. One should be acquainted with, what is orthodontics. Health inquest. 2009;05:10-12.
2. Ay ZY, Sayin MO, Ozat Y, Goster T, Atilla AO, Bozkurt FY. Appropriate oral hygiene motivation method for patients with fixed appliances. Angle Orthodontist. 2007; 77(6):1085-89.
3. Singh G. Fixed orthodontic appliances. In: Singh G, editor. Text Book of Orthodontics. Second Edition. New Delhi: Jaypee Publishers, 2007; 449.
4. Terezhalmay G, Biesbrock A, Walters P, Grender J, Bartizek R. *Clinical evaluation of brushing time and plaque removal potential of two manual toothbrushes*, *International Journal of Dental Hygiene*. 2008; 321-327.
5. Ahmed I, Haque SU, Nazir R. Carious lesions in patients undergoing orthodontic treatment. J Pak Med Assoc. 2011;61(12):116-7.
6. Tahmourepour Arezoo, Rooha K. K., Rasoul Salehi, Nafiseh G. P. Biofilm formation potential of oral streptococci in related to some carbohydrate substrates. African Journal of Microbiology Research. 2010; 4 (11): 1051-1058.
7. Brown JP and Dodds MWJ. Dental Caries and Associated Risk Factors. In : Cappelli DP and Mobley CC. Prevention and Clinical Oral Health Care. Missouri: Mosby Elsevier; 2008.
8. Forssten SD, Björklund M, Ouwehand AC. *Streptococcus mutans*, Caries and Simulation Models. *Nutrients*. 2010;2(3):290-298.
9. Elías Nahúm, Salmerón-Valdés, Edith Lara-Carrillo, Carlo Eduardo Medina-Solís, Norma Leticia Robles-Bermeo, Rogelio José Scougall-Vilchis, Juan Fernando Casanova-Rosado, América Patricia Pontigo-Loyola & Miguel Ángel Fernández Barrera. *Tooth demineralization and associated factors in patients on fixed orthodontic treatment*. Naturesearch Journal. 2016

10. Iyun, Omobolaji Ibukun et al. *Mutans streptococci colonization in early childhood caries in Ibadan, Nigeria*. Pediatric Dental Journal. 2014. Volume 24 , Issue 3 , 153 - 158
11. Philip D Marsh and Michael V martin. Oral Microbiology. Fifth edition. London, New York. Churchill Livingstone. Elsevier. 2009
12. Bahador A, Lesan S, Kashi N. *Effect of xylitol on cariogenic and beneficial oral streptococci: a randomized, double-blind crossover trial*. Iranian Journal of Microbiology. 2012;4(2):75-81.
13. Cai J-N, Jung J-E, Dang M-H, Kim M-A, Yi H-K, Jeon J-G. *Functional Relationship between Sucrose and a Cariogenic Biofilm Formation*. PLoS ONE. 2016;11(6).
14. H. Koo, J. Xiao, M. I. Klein, and J. G. Jeon. *Exopolysaccharides Produced by Streptococcus mutans Glucosyltransferases Modulate the Establishment of Microcolonies within Multispecies Biofilms*, American Society for Microbiology. 2010
15. Xiao J, Klein MI, Falsetta ML, Lu B, Delahunty CM, Yates JR 3rd, Heydorn A, Koo H. *The exopolysaccharide matrix modulates the interaction between 3D architecture and virulence of a mixed-species oral biofilm*. PLoS Pathog. 2012
16. Keung Yuen, Hon & Westwater, Caroline & Degarmo, Justin & Bandyopadhyay, Dipankar. *Immediate Effect of Xylitol Chewing Gum and Mouth Rinse on Salivary Levels of Mutans Streptococci in Adults with Systemic Sclerosis: A Pilot Study*. Journal of experimental and integrative medicine. 2012; 2(1):89-92.
17. Gupta P, Gupta N, Pawar AP, Birajdar SS, Natt AS, Singh HP. *Role of Sugar and Sugar Substitutes in Dental Caries: A Review*. ISRN Dentistry. 2013
18. Masoud MI. *Long-Term Clinical and Bacterial Effects of Xylitol on Patients with Fixed Orthodontic Appliances*. Department of Orthodontics, College of Dentistry, The University of Iowa, USA. Springer. 2015
19. Hanno, Azza & Alamoudi, Najlaa & Almushayt, Abdullah & Masoud, Mohamed & Sabbagh, Heba & Farsi, Najat. *Effect of Xylitol on Dental Caries*

- and Salivary Streptococcus Mutans Levels among a Group of Mother-Child Pairs*. The Journal of clinical pediatric dentistry. 2011; 36. 25-30.
20. Philip D Marsh and Michael V martin. Oral Microbiology. Fifth edition. London, New York. Churchill Livingstone. Elsevier. 2009
 21. Forssten SD, Björklund M, Ouwehand AC. *Streptococcus mutans*, Caries and Simulation Models. *Nutrients*. 2010;2(3):290-298.
 22. JoAnn R Gurenlian, RDH, PhD. *The Role of Dental Plaque Biofilm in Oral Health*. Journal of Dental Hygiene. 2007; Vol. 81, No. 5.
 23. Radler DR, Touger-Decker R. Nutrition for Oral and Dental Health. In: Mahan LK, Escott-Stump S. Krause's Food & Nutrition Teraphy, St Louis: Saunders Elsevier; 2008.
 24. Sroda R. Nutrition for a Healthy Mouth. Second edition. Baltimore : Lippincots Williams and Wilkins, ; 2010.
 25. Decker E-M, Klein C, Schwindt D, von Ohle C. Metabolic activity of *Streptococcus mutans* biofilms and gene expression during exposure to xylitol and sucrose. *International Journal of Oral Science*. 2014;6(4):195-204.
 26. Masoud MI. *Long-Term Clinical and Bacterial Effects of Xylitol on Patients with Fixed Orthodontic Appliances*. Department of Orthodontics, College of Dentistry, The University of Iowa, USA. Springer. 2015
 27. Janakiram, Chandrashekar, Deepan Kumar, C, Joseph, Joe. *Xylitol in preventing dental caries: A systematic review and meta-analyses*. Review Article. Journal of Natural Science, Biology and Medicine. 2017
 28. Zero DT. *Are sugar substitutes also anticariogenic?*. J Am Dent Assoc. 2008
 29. Rokaya, Dinesh & S. Manipal, Supreeth & Bajracharya, Mangesh. *Use of chewing gum to increase the pH of saliva*. Journal of Nepal Dental Association. 2013; 22-25.
 30. Mahboobeh Mirzakhani, Manousha Amir Siavashani, Parisa Seyyed Akhavan. *The Effect of Different Chewing Gum on pH of Dental Plaque*. Journal of Dental School 2014; 32(1): 45-52.

31. Makkinen KK. *History safety and dental properties of xylitol*. Available from: URL,; <http://www.xylitolorg.com>. Accessed December 9th, 2007.
32. Salli, Krista M.Gürsoy, Ulvi Kahraman Söderling, Eva M.Ouwehand, Arthur C. *Effects of Xylitol and Sucrose Mint Products on Streptococcus mutans Colonization in a Dental Simulator Model*. Current Microbiology. 2017
33. William R. Proffit: Contemporary Orthodontics. Fourth edition. Elsevier Health Sciences. 2007.
34. Lemos JA, Quivey RG, Koo H, Abranches J. *Streptococcus mutans: a new Gram-positive paradigm? Microbiology*. 2013;159(Pt 3):436-445.
35. Sugiono. *Metode Penelitian Kombinasi (Mixed Methods)*. Cetakan Kedua. Penerbit Alfabeta, Bandung. 2013
36. Mitchell L. *An Introduction Orthodontic*. Fourth edition. Oxford University Press, New York. 2013
37. Syed M, Chopra R, Shrivastava V, Sachdev V. Comparative evaluation of 0.2% Chlorhexidine Mouthwash, Xylitol Chewing Gum, and Combination of 0.2% Chlorhexidine Mouthwash and Xylitol Chewing Gum on Salivary *Streptococcus mutans* and Biofilm Levels in 8- to 12-Year-Old Children. *International Journal of Clinical Pediatric Dentistry*. 2016;9(4):313-319.
38. Imam Ghozali. *Desain Penelitian Kuantitatif dan Kualitatif untuk Akuntansi, Bisnis dan Ilmu Sosial Lainnya*. 2013.
39. Sulyanto. *Metode Riset Bisnis*. Yogyakarta. Penerbit: Andi. 2009.
40. Zero DT. *Are sugar substitutes also anticariogenic?*. J Am Dent Assoc. 2008
41. Alam, M. K., AlQabandi, A., Sadowsky, C., dan Selke, T., , *Fixed Appliance, A to Z Orthodontic*, Vol 13. PPSP. Publication, University Sains Malaysia. 2012

42. Dr. Haidar Al-Zarigawi. *Orthodontic Fixed Appliance*. Indian Journal Of Dentistry. 2014
43. Arab S, Nouhzadeh Malekshah S, Abouei Mehrizi E, Ebrahimi Khanghah A, Naseh R, Imani MM. *Effect of Fixed Orthodontic Treatment on Salivary Flow, pH and Microbial Count*. Journal of Dentistry (Tehran, Iran). 2016;13(1):18-22.
44. Dr JDB Featherstone. *Dental caries: a dynamic disease process*. Department of Preventive and Restorative Dental Sciences, University of California, San Francisco, USA. 2008
45. Dostálová Tat'jana, Michaela Seydlová. *Dentistry And Oral Diseases for Medical Student*. First edition. Grada, 2010.
46. Theodore M, Harald O. Heymann, Edward J. Swift. *Sturdevant's Art And Science Of Operative Dentistry*. Sixth edition. Mosby, Inc. United States Of America. 2013
47. Nisha Garg and Amit Garg. *Text Book of Operative Dentistry*. Second edition. Jaypee Brothers Medical Publisher. 2013
48. Hardy Limeback. *Comprehensive Preventive Dentistry*. Blackwell. Oxford. 2012
49. Fejerskov O. *Dental Caries: The Disease and Its Management*. Third Editon. Blackwell, Oxford. 2008
50. Khushbu Yadav, Satyam Prakash. *Dental Caries: A Microbiological Approach*. Journal of Clinical Infectious Diseases & Practice. 2017
51. RE McDonald. *Dentistry for The Child and Adolescent*. 9th edition. Mosby. United States of America. 2010
52. Joshua A. Chapman,^a W. Eugene Roberts,^b George J. Eckert,^c Katherine S. Kula,^d and Carlos Gonza'lez-Cabezase. *Risk factors for incidence and severity of white spot lesions during treatment with fixed orthodontic appliances*. Michigan St, Indiana University School of Dentistry, Indianapolis. 2008

53. Khushbu Yadav, Satyam Prakash. *Dental Caries: A Review*. Department of Microbiology Krishna Medical and Technical Research Center. Asian Journal of Biomedical and Pharmaceutical Sciences. 2016
54. Gary Hildebrandt, Ignatius Lee, James Hodges. Oral Mutans Streptococci Levels Following Use of A Xylitol Mouth Rinse: A Double-Blind, Randomized, Controlled Clinical Trial. Special Care Dentistry Association and Wiley Periodicals, Inc. 2010; 30(2): 53-58,
55. Sroisiri Thaweboon, Siriruk Nakornchai, Yasuo Miyake, Takaaki Yanagisawa, Boonyanit Thaweboon, Surin Soo-Ampon And Duangjai Lexomboon. *Remineralization of Enamel Subsurface Lesions by Xylitol Chewing Gum Containing Funoran and Calcium Hydrogenphosphate*. Department Of Microbiology, Faculty Of Dentistry, Mahidol University, Thailand. 2009;4

