

DAFTAR PUSTAKA

1. Tim Riskesdas 2018. Laporan nasional riskesdas 2018. Jakarta: Balitbangkes. 2019. p.182-93.
2. Rahmayani L. Perilaku pemakaian gigi tiruan terhadap pemeliharaan kebersihan gigi tiruan lepasan. Jurnal PDGI. 2013; 62(3):83-8.
3. Basker RM, Davenport JC, Tomlin HR. Perawatan prostodontik bagi pasien tak bergigi (3rd ed). Soebekti TS, Arsil H, alih Bahasa. Jakarta: EGC, 1996; p. 1-2, 216-8.
4. Rahmayani L, Herwanda, Idawati M. Perilaku pemakai gigi tiruan terhadap pemeliharaan kebersihan gigi tiruan lepasan. Jurnal PDGI. 2013; 62(3):83-8.
5. Sofya PA, Rahmayani L, Fatmawati F. Tingkat Kebersihan gigi tiruan sebagian lepasan resin akrilik ditinjau dari frekuensi dan metode pembersihan. J Syiah Kuala Dent Soc. 2016; 1(1):91-5.
6. Rahayu I, Fadriyanti O, Edrizal. Efektivitas pembersih gigi tiruan dengan rebusan daun sirih 25% dan 50% terhadap pertumbuhan Candida albicans pada lempeng resin akrilik polimerisasi panas. Jurnal B-Dent. 2014; 1(2):142–50.
7. Barbosa DB, de Souza RF, Pero AC, Marra J, Compagnoni MA. Flexural strength of acrylic resins polymerized by different cycles. J Appl Oral Sci 2007; 15(5):424-8

8. Kulak-Ozkan Y, Kazazoglu Y, Arikan A. Oral hygiene habits, denture cleanliness, presence of yeast and stomatitis in elderly people. *J Oral Rahabil* 2002; 29(3):300-4.
9. Ratnasari D, Isnaeni RS, Fadilah RN. Kebersihan gigi tiruan lepasan pada kelompok usia 45-65 tahun. *Padjadjaran J Dent Res Student.* 2019; 3(2):87-91.
10. Wardojo CV, Teguh PB, Rochyani L. Perbedaan kekasaran permukaan resin akrilik head cured setelah penyikatan dengan ekstrak daun sereh konsentrasi 30% dan 60% dalam pasta gigi. *Denta Journal Kedokteran gigi.* 2019; 13(1):18
11. Ulfa RG. Pengaruh perendaman ekstrak batang pisang mauli 25% dan daun kemangi 12,5% terhadap nilai kekerasan permukaan dentin. *Dentin Jurnal Kedokteran Gigi.* 2019; 3(3):76
12. Silva MB, Sousa Andrea A, De magalhaes MH, Andrea M, Britos E, Dias R. Candida albicans in patients with oronasal communication and obturator prostheses. *Braz Dent J.* 2009; 20(4):336-40
13. Dharmautama M, Chotimah C, Achmad H, Arifin NF, Furqani AW. Effect of solvent temperature in effervescent granule denture cleanser with cacao pod (*theobroma caco l*) 6,5% toward the growth of *streptococcus mutans* and *candida albicans*. *Annals of R.S.C.* 2021; 25(4):10858-64.

14. Dharmautama M, Mude AH, Ikbal M, Launardo V, Dachri A. The mucosal lesions on removable denture wearers: A systematic review. *Syst Rev Pharm.* 2020; 11(9):10–4.
15. Martono H, Pranaka K. Geriatri (ilmu kesehatan usia lanjut) Edisi 4. Jakarta : Balai penerbit FKUI; 2011, p.3-8, 25-26, 35-48, 694-703, 707-10.
16. Davenport JC, Basker RM, Heath JR, Ralp JP, Glantz PO. A clinical guide to removable partial denture. 2nded. British dental journal [serial online] 2000.
17. Basker RM, Davenport JC, Tomlin HR. Perawatan prostodontik bagi pasien tak bergigi. Ed3th. Jakarta: EGC Penerbit Buku kedokteran. 1996.p.19-21.
18. Park HW, Kim CW, Kim YS. A comparative study on accuracies of resin denture bases and metal denture bases. *J Korean Acad Prosthodont.* 2001; 39(3):250-9.
19. Johnson T, Wood DC. Techniques in Complete Denture Technology. 1 ed. Wiley-Blackwell. 2012; p.85.
20. Annusavice KJ. Philips. Science of Dental Materials. 12nd ed. Saunders Company. 2013; p.475-98.
21. Yuliati A. Viabilitas sel fibroblas BHK_21 pada pemukaan resin akrilik rapid heat cured. *Maj. Ked. Gigi (Dent.J);* 2005 Apr-Jun: 38(2):68-72.
22. Zarb GA. Bolender CL, Hickey JC, Carlsson GE. Buku ajar prostodonsi untuk pasien tak bergigi menurut boucher. Ed 10. Jakarta: EGC Penerbit Buku Kedokteran. 2001. p.401-3.

23. Schmalz G, Bindslev DA. Biocompatibility of Dental Materials. Verlag Berlin Heidelberg: Springer. 2009. p.255.
24. Gharechaci J, Asadzadeh N, Shahabian F, Gharechahi M. Flexural Strength of Acrylic Resin Denture Bases Processes by Two Different Methods. *J Dent Res Dent Clin Dent Prospect* 2014; 8(3):148-52.
25. Geo F, Janet S & Stephen A. Medical Microbiology. 23th edition. New York: Mc Graw Hill. 2004. p.645-7.
26. Gajwani Jain S, Magdum D, Karagir A, Pharane P. Denture cleanser: a review. *IOSR Journal of Dental and Medical Sciences*. 2015; 14(2):94-6.
27. Sari KI, Dewi W, Jasrin TA, Sumarsongko T. Kebersihan gigi tiruan pada lansia, suatu tinjauan metode dan bahan. *JMKG* 2018; 7(1):1-11.
28. Kammers ACE., Zanetti AL., Lacerda TESP., Aroca JP., Camilotti V., Mendosca MC. Toothbrush handles individually adapted for use by elderly patients to reduce biofilm on complete dentures: A pilot study. 2015; 9(5): 94-7.
29. Pisani MX, Bruhn JP, Paranhos HF, Silva-Lavato CH, de Souza RF, Panzeri H. Evaluation of abrasiveness of dentrifrices for complete dentures. *J Prosthodont*. 2010; 19:369-73.
30. Dikbas I, Koksal T, Calikkocaoglu S. Investigation of the cleanliness of dentures in a university hospital. *The International Journal of Prosthodontics*. 2005; 19(3): 294-8.
31. Pitt WG, Ross SA. Ultrasound increases the rate of bacterial cell growth. *Biotechnol Prog* 2003; 19: 1038-44.

32. Rohrer MD, Bulard RA. Microwave sterilization. *Journal of the American Dental Association* 1985; 110:194–8.
33. Al-Saadi MH. Effectiveness of chemical and microwave disinfection on denture biofilm fungi and the influence of disinfection on denture base adaptation. *J Indian Prosthodont Soc* 2014; 14(1):24–30.
34. Sousa TMS, Farias OR, Batista AUD, et.al. Effectiveness of denture microwave disinfection for treatment of denture stomatitis: a systematic review and meta-analysis. 2021; 19 (1):62-77.
35. Tortora G.J., Frunke BR., Case CL. *Microbiology an introduction* 8 ed. San Francisco: Benjamin cumming. 2004.
36. Jubhari EH, Reisintiya. Tingkat kepuasan terhadap pembersih gigi tiruan pada pengguna gigi tiruan di Rumah Sakit Gigi Mulut Fakultas Kedokteran Gigi Universitas Hasanuddin. *Dentofasial J.* 2013; 12(3):164–8.
37. Oussama M. Ahmad H. Materials and methods for cleaning dentures. A Review. *International Journal of Dental Clinic.* 2014; 6(2):19-22.
38. Chittaranjan B, Taruna, Sudhir, Bharath. Material and methods for cleaning the denture, *Indian Journal of Dental Advancement*; 2011:3(1) :424
39. Rathee M, Hooda A, Ghalaout P. Denture hygiene in geriatric persons. *The Internet Journal of Geriatrics and Gerontology.* 2009; 6(1):1-5.
40. Budtz-Jorgensen E. A 3-months's study of enzymes as denture cleansers. *Journal of Oral Rehabilitation.* 1978; 5:35-9.
41. Takashi MA, Dharmautama M, Thalib B. inhibition of toothpaste denture cleanser rosella petals have stored several times on denture plaque

- formation, colonies of bacteria and candida albicans. UIP Health Med. 2006; 68-71.
42. Dharmautama M, Ikhriani, Manggau MA, Tetelepta R, dkk. The Effectiveness of Sargassum Polycystum Extract against streptococcus mutans and candida albicans as denture cleanser. Journal of International Dental and medical research. 2018; 12(2):528-32.
43. Ramage G, Wallw KV, Wickes BI, Lopez-ribotz JL. Biofilm formation by candida dubliniensis. Journal of Clinical Microbiology. 2001; 39:3234-3240.
44. Rosmania, Yanti F. Perhitungan jumlah bakteri di laboratorium mikrobiologi menggunakan pengembangan metode spektrofotometri. Jurnal Peneltian Sains. 2020; 22(2):76-86.
45. Moher D, Liberati A, Tetzlaff J, Altman DG, Group TP. Preferred reporting items for systematic reviews and meta-analyses : the PRISMA statement. 2009;6(7).
46. Tawfik GM, Dila KAS, Mohamed MYF, Tam DNH, Kien ND, Ahmed AM, et al. A step by step guide for conducting a systematic review and meta-analysis with simulation data. Trop Med Health. 2019; 47(1):1–9.
47. Khan KS, Kunz R, Kleijnen J, Antes G. Five steps to conducting a systematic review. J R Soc Med. 2003; 96(3):118–21.
48. The Joana Briggs Institute (JBI) Critical Appraisal. Checklist for randomized controlled trials. [diunduh 14 Desember 2020]. Available from: <http://joannabriggs.org/research/critical-appraisal-tools.htm>

49. Luo D, Wan X, Liu J, Tong T. Optimally estimating the sample mean from the sample size, median, mid-range, and/or mid-quartile range. *Stat Methods Med Res.* 2018; 27:1785–805.
50. Wang B, Zhang S, Yue K, Wang XD. The recurrence and survival of oral squamous cell carcinoma: a report of 275 cases. *Chin J Cancer.* 2013; 32:614–8.
51. Tufanaru C, Munn Z, Aromataris E, Campbell J, Hopp L. Chapter 3: Systematic reviews of effectiveness. In: Aromataris E, Munn Z (Editors). Joanna Briggs Institute Reviewer's Manual. The Joanna Briggs Institute, 2017. Available from <https://reviewersmanual.joannabriggs.org/>
52. Sheen SR, Harrison A. Assessment of plaque prevention on dentures using an experimental cleanser. *J Prosthet Dent.* 2000; 84:594-601.
53. Paranhos HF, Silva-Lovato CH, Souza RF, Cruz PC, Freitas KM, Peracini A. Effects of mechanical and chemical methods on denture biofilm accumulation. *J Oral Rehabil.* 2007; 34:606-12.
54. Salles AE, Macedo LD, Fernandes RA, Silva-Lovato CH, Paranhos HF. Comparative analysis of biofilm levels in complete upper and lower dentures after brushing associated with specific denture paste and neutral soap. *Gerodontology.* 2007; 24:217-23.
55. Nalbant AD, Kalkanci A, Filiz B, Kustimur S. Effectiveness of different cleaning agents against the colonization of Candida spp and the in vitro detection of the adherence of these yeast cells to denture acrylic surfaces. *Yonsei Med J.* 2008; 49:647-54.

56. Ribeiro DG, Pavarina AC, Dovigo LN, Palomari Spolidorio DM, Giampaolo ET, Vergani CE. Denture disinfection by microwave irradiation: a randomized clinical study. *J Dent.* 2009; 37:666-72.
57. Silva-Lovato CH, Wever B, Adriaens E, et al. Clinical and antimicrobial efficacy of NitrAdine TM-based disinfecting cleaning tablets in complete denture wearers. *J Appl Oral Sci.* 2010; 18:560-5.
58. Cruz PC, Andrade IM, Peracini A, et al. The effectiveness of chemical denture cleansers and ultrasonic device in biofilm removal from complete dentures. *J Appl Oral Sci.* 2011; 19:668-73.
59. Andrade IM, Cruz PC, da Silva CH, et al. Effervescent tablets and ultrasonic devices against Candida and mutans streptococci in denture biofilm. *Gerodontology.* 2011; 28:264-70.
60. Nishi Y, Seto K, Kamashita Y, Kaji A, Kurono A, Nagaoka E. Survival of microorganisms on complete dentures following ultrasonic cleaning combined with immersion in peroxide-based cleanser solution. *Gerodontology.* 2014; 31:202-9.
61. Andrade IM, Cruz PC, Silva-Lovato CH, de Souza RF, Souza- Gugelmin MC, Paranhos HF. Effect of chlorhexidine on denture bio-film accumulation. *J Prosthodont.* 2012; 21:2-6.
62. Porta SR, de Lucena-Ferreira SC, da Silva WJ, Del Bel Cury AA. Evaluation of sodium hypochlorite as a denture cleanser: a clinical study. *Gerodontology.* 2015; 32:260-6.

63. Andrade IM, de Andrade KM, Pisani MX, Silva-Lavato CH, de Souza RF, Paranhos HF. Trial of experimental castor oil solution for cleaning dentures. *Braz Dent J.* 2014; 25(1):43-7.
64. Shetty PJ, Hedge V, Gomes L. Anticandidal efficacy of denture cleansing tablet, triphala, aloe vera, and cashew leaf on complete dentures of institutionalized elderly. *J Ayurveda Integr Med.* 2014;5:11-4.
65. Salles MM, Badaró MM, Arruda CN, et al. Antimicrobial activity of complete denture cleanser solutions based on sodium hypochlorite and *Ricinus communis* - a randomized clinical study. *J Appl Oral Sci.* 2015; 23:637-42.
66. Duyck J, Vandamme K, Krausch-Hofmann S, et al. Impact of denture cleaning method and overnight storage condition on denture biofilm mass and composition: a cross-over randomized clinical trial. *Journal Pone.* 2016; 11:e0145837.
67. Kumar B, Sandhu PK, Kumar AN, Patil CP. Comparative study for plaque removing efficacy between commonly used denture cleansers in india. *J Indian Prosthodontic Society.* 2017; 17:295-300.
68. Webb BC, Thomas CJ, Willcox MD, Harty DW, Knox KW. Candida-associated denture stomatitis. Aetiology and management: a review. Part 1. Factors influencing distribution of *Candida* species in the oral cavity. *Aust Dent J.* 1998; 43:45–50.
69. O'Donnell LE, Smith K, Williams C, et al. Dentures are a Reservoir for Respiratory Pathogens. *J Prosthodont.* 2016; 25:99–104.

70. Rocha GDSR, Duarte TN, Correa GO, Nampo FK, Ramos SP. Chemical cleaning methods for prostheses colonized by candida spp : a systematic review. *J Prosthet Dent.* 2020; 124(6):653-8.
71. Tarbet WJ, Axelrod S, Minkoff S et al. Denture cleansing: a comparison of two methods. *J Prosthet dent* 1984; 51:322-5.
72. Horrison Z, Johnson A, Douglas CW. An in vitro study into the effect of a limited range of denture cleaners on surface roughness and removal of candida albicans from conventional heat cured acrylic resin denture base material. *J Oral Rehabil* 2004; 31:460-7.
73. Landa AS, van de Mei HC, Busscher HJ. Detachment of linking film bacteria from enamel surfaces by oral rinses and penetration of sodium laurylsulphate through an artificial oral biofilm. *adv dent Res* 1997; 11:528-38.
74. Dovigo, LN, Pavarina AC, Ribeiro DG, Oliveira JA, Vergani CE, Machado AL. Microwave disinfection of complete dentures contaminated in vitro with selected bacteria. *Journal of Prosthodontics.* Manuscript number JOPR-08-095; in press.
75. Fitzpatrick JA, Kwao-Paul J, Massey J. Sterilization of bacteria by means of microwave heating. *Journal of clinical engineering.* 1978;3:44-7.
76. McCourtie J, MacFarlane TW, Samaranayake LP. Effect of saliva and serum on the adherence of Candida species to chlorhexidine-treated denture acrylic. *J Med Microbiol* 1986; 21:209-13.

77. Rakhmatullah H, Saputra D, Budiarti LY. Aktivitas daya hambat ekstrak daun belimbing wuluh dengan klorheksidin terhadap candida albicans pada plak akrilik. Dentin Jurnal Kedokteran Gigi. 2008; 2(1):73-8.
78. Bascato N, radavelli A, faccio D. Biofilm formation of candida albicans on the surface of a soft denture-lining material. Gerodontology. 2009; 26:210-213.
79. Dharmautama M, Tetelepta R, Ikbal M, Warti AEA. Effect of mangrove leaves extract (*Avicennia marina*) concentration on the growth of *Streptococcus mutans* and *Candida albicans*. Journal of Dentomaxillofacial Science. 2017; 2(3):155-9.
80. Dharmautama M, Irawati E, Biba AT, Chotimah C, Achmad H, Manika VS. The effect of immersion of heat polymerization acrylic resin plate in granule effervescent denture cleaner with cocoa pod extract toward transversal strength. Jundishapur Journal of Microbiology Publisher. 2022:366-372.
81. Dyer D, MacDonald E, Newcombe RG, Scratcher C, Ley F, Addy M. Abrasion and stain removal by different manual toothbrushes and brush actions: studies *in vitro*. J Clin Periodontol. 2001; 28:121-7.
82. Pitt WG, Ross SA. Ultrasound increases the rate of bacterial cell growth. Biotechnol prog. 2003; 19:1038-44
83. Dills SS, et al. Comparison of the antimicrobial capability of an abrasive paste and chemical-soak denture cleaners. J Prosthet Dent 1988; 60:467-70.

84. Felton D, Cooper L, Duqum I, et al. Evidence guidelines for the care and
and maintance of complete denture: a publication of the America college of
prosthodontists. J Prosthodont. 20(2011):S1-S12.

Lampiran 1



JBI Critical Appraisal Checklist for Randomized Controlled Trials

Reviewer _____ Date _____

Author _____ Year _____ Record Number _____

	Yes	No	Unclear	NA
1. Was true randomization used for assignment of participants to treatment groups?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Was allocation to treatment groups concealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Were treatment groups similar at the baseline?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were participants blind to treatment assignment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were those delivering treatment blind to treatment assignment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Were outcomes assessors blind to treatment assignment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were treatment groups treated identically other than the intervention of interest?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Was follow up complete and if not, were differences between groups in terms of their follow up adequately described and analyzed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Were participants analyzed in the groups to which they were randomized?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Were outcomes measured in the same way for treatment groups?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were outcomes measured in a reliable way?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Was appropriate statistical analysis used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Was the trial design appropriate, and any deviations from the standard RCT design (individual randomization, parallel groups) accounted for in the conduct and analysis of the trial?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Overall appraisal: Include Exclude Seek further info

Comments (Including reason for exclusion)

Lampiran 2

JBI CRITICAL APPRAISAL CHECKLIST FOR ANALYTICAL CROSS SECTIONAL STUDIES

Reviewer _____ Date _____

Author _____ Year _____ Record Number _____



Yes No Unclear Not applicable

1. Were the criteria for inclusion in the sample clearly defined?
2. Were the study subjects and the setting described in detail?
3. Was the exposure measured in a valid and reliable way?
4. Were objective, standard criteria used for measurement of the condition?
5. Were confounding factors identified?
6. Were strategies to deal with confounding factors stated?
7. Were the outcomes measured in a valid and reliable way?
8. Was appropriate statistical analysis used?

Overall appraisal: Include Exclude Seek further info

Comments (Including reason for exclusion)
