

DAFTAR PUSTAKA

- Alwi, I., 2015, Kriteria empirik dalam menentukan ukuran sampel pada pengujian hipotesis statistika dan analisis butir, *Jurnal Formatif*, 2(2):140-148.
- Basera, K., Bhatt, G., Kothiyal, P., and Gupta, P., Nanoemulgel: a novel formulation approach for topical delivery of hydrophobic drugs, *World J Pharm Pharm Sci* 4(10):1871-1886.
- Bhattacharya, S. and Prajapati, B. G., 2017, Formulation and optimization of celecoxib nanoemulgel, *Asian J Pharm Clin Res*, 10(8):353-365.
- Brostek, A. M. and Walsh, L. J., 2014, Minimal intervention dentistry in general practice, *OHDM*, 13(2):1-10.
- Butler, B. L., Morejon, O., and Low, S. B., 1996, An accurate time-efficient method to assess plaque accumulation, *J Am Dent Assoc*, 127(12):1763-1766.
- Chandki, R., Banthia, P., and Banthia, R., 2011, Biofilms: a microbial home, *J Indian Soc Periodontol*, 15(2):111-114.
- Chapple, I. L., Van der Weijden, F., Doerfer, C., Herrera, D., Shapira, L., Polak, D., Madianos, P., Louropoulou, A., Machteri, E., Donos, N., Greenwell, H., Van Winkellhoff, A. J., Eren Kuru, B., Arweller, N., Teughels, W., Aimetti, M., Molina, A., Montero, E., and Graziani, F., 2015, Primary prevention of periodontitis: managing gingivitis, *J Clin Periodontol*, 42(16):s71-s76.
- Chetrus, V. and Ion, I. R., 2013, Dental plaque - classification, formation, and identification, *IJMD*, 3(2):139-143.
- Chowardy, Z., Mohan, R., Sharma, M., Rai, R., and Das, A., 2015, Disclosing agents in periodontics: an update, *J Dent Col Azam*, 1(1): 103-110.
- Colombo, A. P. V., Magalhaes, C. B., Hartenbach, F. A. R. R., do Souto, R. M., and da Silva-Boghossian, C. M., 2016, Periodontal-disease-associated biofilm: A reservoir for pathogens of medical importance, *Microb Pathog*, 94:27-34.
- Datta, D., Kumar, R., Narayanan, A., Selvamary, L., and Sujatha, 2017, Disclosing solution used in dentistry, *World J Pharm Res*, 6(6):1648-1656.
- Dental Health Foundation, 2017, *Oral Health - The Facts*, Retrieved October 24, 2017, from Dental Health Foundation Web Site: <https://www.dentalhealth.ie/dentalhealth/causes/periodontaldisease.html>
- Dhotrea, S., Jahagirdarb, V., Suryawanshic, N., Davanec, M., Patild, R., and Nagobac, B., 2018, Assessment of periodontitis and its role in viridans streptococcal bacteremia and infective endocarditis, *Indian Heart J*, 70:225-232.
- Ekoningtyas, I. A., Triwiyatini, dan Nisa, F., 2016, Potensi kandungan kimiawi dari ubi jalar ungu (*Ipomoea batatas* L) sebagai bahan identifikasi keberadaan plak pada permukaan gigi, *Jurnal Kesehatan Gigi*, 3(1):1-6.

- Fatmasari, D., Musthofa, S., dan Santoso, B., 2014, Efektivitas buah bit (*Beta vulgaris*) sebagai disclosing solution (bahan identifikasi plak), *ODONTO*, 1(2):6-9.
- Febriyanti, I. D., Liana, I. D., Indriyani, R., and Christiono, S., 2018, The effect of roselle (*Hibiscus sabdariffa* L.) petals extract as alternative disclosing solution for dental plaque identification, *Dentino*, 3(2):108-115.
- Gallagher, I. H., Fussel, S. J., and Cutress, T. W., 1977, Mechanism of action of a two-tone plaque disclosing agent, *J Periodontol*, 48(7):395-296.
- Ganesan, L., Margolles-Clark, E., Song, Y., and Buchwald, P., 2011, The food colorant erythrosine is a promiscuous protein-protein interactioninhibitor, *Biochem Pharmacol*, 81:810-818.
- Handayani, P. A. dan Rahmawati, A., 2012, Pemanfaatan kulit buah naga (Dragon Fruit) sebagai pewarna alami makanan pengganti pewarna sintesis, *JBAT*, 1(2):19-24.
- Harmely, F., Lucida, H., Mukhtar, dan M. H., 2011, Efektivitas bromelain kasar dari batang nenas (*ananas comosus* L. Merr) sebagai antiplak dalam pasta gigi, *SCIENTIA*, 1(1):14-20.
- Hidayah, N., Hadijah, D., dan Indrati, 2016, Ekstrak umbi bit (*Beta Vulgaris* L) sebagai bahan pewarna plak, *JKG Unpad*, 28(3):185-190.
- Humphrey, L. L., Fu, R., Buckley, D. I., Freeman, M., and Helfand, M., 2008, Periodontal disease and coronary heart disease incidence: a systematic review and meta-analysis. *J Gen Intern Med*, 23(20):79-86
- Ilyas, M. dan Putri, I. N., 2012, Efek penyuluhan metode demonstrasi menyikat gigi terhadap penurunan indeks plak gigi pada murid sekolah dasar, *Dentofasial*, 2(2):91-95.
- Ingrath, W., Nugroho, W. A., dan Yulianingsih, R., 2015, Ekstraksi pigmen antosianin dari kulit buah naga merah (*hylocereus costaricensis*) sebagai pewarna alami makanan dengan menggunakan microwave (kajian waktu pemanasan dengan microwave dan penambahan rasio pelarut aquades dan asam sitrat, *JBKT*, 3(3):1-8.
- Karunia, F. B., 2013, Kajian Penggunaan Zat Adiktif Makanan (Pemanis Dan Pewarna) pada Kudapan Bahan Lokal Di Pasar Kota Semarang, *Food Science and Culinary Education Journal*, 2(2):72-78.
- Kassebaum, N.J., Bernabé, E., Dahiya, M., Bhandari, B, Murray, C.J.L., and Marcenes, W., 2014, Global burden of severe periodontitis in 1990-2010: a systematic review and metaregression, *J Dent Res*, 93(11):1045-1053.
- Khoo, H. E., Azlan, A., Tang, S. T., and Lim, S. M., 2017, Anthocyanidins and anthocyanins: colored pigments as food, pharmaceutical ingredients, and the potential health benefits, *Food Nutr Res*, 61:1-20.

- Kristanto, 2008, *Buah Naga Pembudidayaan di Pot dan di Kebun*, Penebar Swadaya, Jakarta.
- Laleh, G. H., Frydoonfar, H., and Heidary, R., 2006, The effect of light, temperature, pH and species on stability of anthocyanin pigments in four Berberis species, *Pak J Nutr*, 5(1):90-92
- Maigoda, T. C., Sulaeman, A., Setiawan, B., dan Wibawan, I. W. T., 2016, Persentase lemak pada organ hati tikus jantan (*Sparague dawley*) obes yang diberi tepung buah naga merah (*Hylocereus polyrhizus*) dan olahraga renang, *J Gizi Pangan*, 11(2):99-106.
- Malay N J, Chandresh P P, Bhupendra G P, 2018, Nanoemulgel Innovative Approach for Topical Gel Based Formulation, *Res & Rev Health Care Open Acc J*, 1(2):1-6.
- Manson, J.D. dan Eley, B.M., 2013, Buku Ajar Periodonti. Penerbit Buku Kedokteran, EGC, Jakarta.
- Miranda, A., Rusminah, N., Amaliya, dan Metta, P., 2017, Pemakaian ekstrak buah bit sebagai bahan pewarna plak pada pasien yang datang ke klinik periodonsia FKG Unpad, *MIKGI*, 1(1):31-35.
- Nief, R. A. and Hussein, A. A., 2014, Preparation and evaluation of meloxicam microscopanges as transdermal delivery system, *Iraqi J Pharm*, 23(2):62-74.
- O'Leary, T. J., Drake, R. B., and Naylor, J. E., 1972, The plaque control record, *J. Periodontol*, 43(1):38.
- Oktaviani, N., Haryani, W., dan Sutrisno, 2015, Perbedaan pengolesan ekstrak buah bit dan disclosing solution terhadap skor plak pada siswa SDN kradenan 3 magelang, *Jurnal Gigi dan Mulut*, 2(2):19-22.
- Overman, P., 2000, Biofilm: a new view of plaque, *J Contemp Dent. Pract*, 1(3):18-29.
- Pihlstrom, B. L., Michalowicz, B. S., and Johnson, N. W. 2005. Periodontal disease. *Lancet*, 366(9499):1809-20.
- Putri, M. H., Herijulianti, E., dan Nurjannah, N., 2013, *Ilmu Pencegahan Penyakit Jaringan Keras dan Jaringan Pendukung Gigi*, EGC, Jakarta.
- Radhika P. R. S. and Guruprasad, 2016, Nanoemulsion Based Emulgel Formulation of Lipophilic Drug for Topical Delivery, *Int J Pharmtech Res*, 9(6):210-223.
- Rao, S. V. R. and Shao, J., 2008, Sel-nanoemulsifying drug delivery systems (SNEDDS) for oral delivery of protein drugs: forulation devepment, *Int J Pharm*, 362:2-9.
- Reddy, S., 2011, *Essentials of Clinical Periodontology and Periodontics*, Jaypee Brothers Medical Publishers (P) Ltd, New Delhi.

- Samber, L. N., Semangun, H., dan Prasetyo, B., 2013, Karakteristik antosianin sebagai pewarna alami, *Seminar Nasional X Pendidikan Biologi FKIP UNS*, 18(187):1-4.
- Saneto, B., 2005, Karakterisasi kulit buah naga merah (*Hylocereus polyrhizus*), *Jurnal Agarika*, 2:143-149.
- Sania, Mohanty, S., Agaarwal, M. C., and Chaubey, K. K., 2016, An overaction to plaque disclosing agent: an unusual case, *J Periodontal Med Clin Pract*, 3(1): 51-55.
- Simanjuntak, L., Sinaga, C., dan Fatimah, 2014, Ekstraksi pigmen antosianin dari kulit buah naga merah (*Hylocereus polyrhizus*), *Jurnal Teknik Kimia USU*, 3(2):25-29.
- Singh R. P., Parpani, S., Narke, R., and Chavan, R., 2014, Emulgel a recent approach for topical drug delivery system, *Asian J Pharm Clin Res*, 2:112-123.
- Squillaro, R. C., Cohen, W. D., and Laster, L., 1975, A comparison of microbial plaque disclosants after personal oral hygiene instruction and prophylaxis. *J Prev Dent*, 2(2):3-7
- Stearns, R.I. and Stearns, S.K., 1975, Dental disclosing compositions and the method of making and using the same, *United States Patent*, 1-32.
- Tsai, C., Tang, C. Y., Tan, T., Chen, K., Liao, K., and Liou, M., 2018, Subgingival microbiota in individuals with severe chronic periodontitis, *J Microbiol Immunol Infect*, 5:226-234.
- Usmania, Bilandi, A., and Kataria, M. K., 2017, Minixodil emulgel for androgenic alopecia: a literature review including patents, *Int J. Pharm. Drug. Anal*, 5(3):49-58.
- Wijaksana, I. K. E., 2016, Infectobesity dan periodontitis: hubungan dua arah obesitas dan penyakit periodontal, *ODONTO*, 3(1):67-73.