

DAFTAR PUSTAKA

- Ambar, A. 1997. *Pengetahuan Keramik*. Yogyakarta: Gadjah Mada University Press.
- Asmadi,K., Kasjono, HS., 2011, *Teknologi pengolahan air minum*, Gosyen Publishing, Yogyakarta
- Bhunia, A.K., 2008. *Escherichia coli*. *Foodborne Microbial Pathogens*, pp.183–200.
- Bielefeldt, A.R., Kowalski, K. & Summers, R.S., 2009. Bacterial treatment effectiveness of point-of-use ceramic water filters. *Water Research*, 43(14), pp.3559–3565. Available at: <http://dx.doi.org/10.1016/j.watres.2009.04.047>.
- Bloem, Sophie C. 2008. Silver Impregnated Ceramic Water Filter: *Flowrate versus The Removal Efficiency of Pathogens*. Research Internship of Chemical Engineering Report. Delft: TU Delft. Netherland
- Bloem, Sophie C., van Halem, Doris., Sampson, Mickey.L., Huoy, Laing-Shun. and S.G.J.Heijman. February 2009. *Silver Impregnated Ceramic Pot Filter: Flowrate versus the Removal Efficiency of Pathogens*. International Pot Filter Workshop Proceeding. Atlanta: WEF Disinfection.
- Brooks, G.F, Butel, J.S, Morse, Ornston, N.L. 2004. Jawetz, Melnick & Adleberg's Mikrobiologi Kedokteran Edisi 20. Alih Bahasa Edi Nugroho dan RF Maulany.EGC. Jakarta. Hal 54 – 629
- Brown, J., 2007. *Effectiveness of Ceramic Filtration For Drinking Water Treatment in Cambodia*.
- Brown, J, Sobsey, M. and Proum, S., 2007. *Improving household drinking water quality: use of ceramic filters in Cambodia*. Field Note, Phnom Penh; water and Sanitation program.
- Brown, J., M. Sobsey. 2006. *Independent Appraisal of Ceramic Water Filtration Interventions in Cambodia*. Final report, University of North Carolina of Public Health, Department of Environmental Sciences and Engineering, Submitted to UNICEF De Jong, Reitse. Nov 2009. Ceramic Disk Filters: A Research Tool for Ceramic Filter Pots. Research Report, Delft: TU Delft
- Brown, J.,Sobsey, M.D. and Loomis, D., 2008. *Local Dinking water filters reduce diarrheal disease in Cambodia: a randomized controlled trial of the ceramic water purifier*, The American Journal of tropical medicine and hygiene, 79 (3), 394-400
- CDC. 2008a. *Household Water Treatment Options in Developing Countries: Ceramic Filtration* [online]. <http://www.cdc.gov>

- Chandra, B. 2006. *Pengantar Kesehatan Lingkungan*. Cetakan Pertama. Jakarta : Penerbit Buku Kedokteran EGC.
- Clasen, T.F. et al., 2004. Reducing diarrhea through the use of household-based ceramic water filters: A randomized, controlled trial in rural Bolivia. *American Journal of Tropical Medicine and Hygiene*, 70(6), pp.651–657.
- Clasen, T., W. P. Schmidt, T. Rabie, I. Roberts & S. Cairncross .2007. Interventions to improve water quality for preventing diarrhoea: systematic review and metaanalysis. *BMJ*,334 (7597), 782.
- Clasen, TF., Brown, J., and Collins, S.M. 2006. *Preventing diarrhea with household ceramic water filters; assesment of a pilot project in Bolivia*. International journal of environmental health research, 16 (3), 213-239
- Clasen, TF., Brown, J., Collin, S., Suntura, O. and Cairncross, S. 2004. *Reducing diarrhea through the use of household-based ceramic water filters; A randomized, Controlled trial in rural Bolivia*. The American journal of tropical medicine and hygiene, 70 (6), 651-657
- Clasen, TF., Brown, J., Suntura, O. and Collins, S. 2004b. *Safe household water treatment and storage using ceramic drip filters; A randomized controlled trial in Bolivia*. Water Science and Technology, 50 (1), 111-115
- Clasen, TF., Parra, G.G., Boisson, S and Collins, S.M. 2005. *Household-based ceramic water filters for the prevention of diarrhea; A randomized controlled trial of pilot program in Colombia*. American Journal of tropical medicine and hygiene, 73 (4), 790-795
- Clasen, T., 2015. Household Water Treatment and Safe Storage to Prevent Diarrheal Disease in Developing Countries. *Current environmental health reports*, 2(1), pp.69–74. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/26231243>.
- Craver,Oyanedel., Smith, JA. 2008. *Sustainable Colloidal Silver Impregnated Ceramic Filter of Point of Use Water Treatment*. Environmental Science Technology
- Dies, Robert W. 2003. Development of A Ceramic Water Filter for Nepal. Canada : Thesis University of British Columbia
- DJabu, 2001, *Pedoman Bidang Studi Pembuangan Tinja Dan Air Limbah Pada Institusi Pendidikan Sanitasi/Kesehatan Lingkungan*, Jakarta: Pusdiknakes
- Effendi, H. 2003. *Telaah Kualitas Air*. Cetakan Ketiga. Yogyakarta : Penerbit Kanisius.
- EPA, 1989. Drinking Water; National Primary Drinking Water Regulations; Total Coliforms (Including Fecal Coliforms and *E.coli*) Final Rule. *Federal Register*, 54(124), pp.27543–27569.

- Fahlin, C., Valdez, H. 2002. Belize Filtron Feasibility Report. University of Colorado – Engineers without borders.
- Fahlin, C.J. 2003. Hydraulic Properties Investigation of the Potters For Peace Colloidal Silver Impregnated, Ceramic Filter. Unpublished Thesis, University of Colorado at Boulder, Boulder, CO, USA.
- Fewtrell, L., Colford, M. 2004. Water, Sanitation, and Hygiene : Interventions and diarrhea : A systematic review and meta analysis. Washington DC, Health Nutrition and Population (HNP)
- Frank, Janet Hamer. 1997. *The Potter's Dictionary of Materials and Techniques*. London: A & C Black.
- Gavanji, Shahin., Aziz, Hamidi A., Larki, Behrouz., Mojiri, Amin. (2013). *Bioinformatics Prediction of Interaction of Silver Nitrate and Nano Silver on Catalase and Nitrat Reductase*. Isfahan & Penang : Department of Biotechnology University of Isfahan & School of Civil Engineering Univeristi Sains Malaysia
- Grandjean, A., 2004. Rolling revision of the WHO guidelines for drinking-water quality. Draft for review and comments. , (July), p.133.
- Gustafon, D.I., 1993, *Pesticides in dinking water*, Van Hostrand Reinhold, New York, p.241
- HACH. 1993. Microbiology Environmental Laboratories. HACH Company
- HACH.2005, Water Analysis Handbook 4th Edition Revision 3. Colorado : HACH Company
- Hagan, J.. et al., 2009. *Resource Development International - Cambodia Ceramic Water Filter Handbook -, Version 1.1*, Phnom Penh.
- Hamer, Frank and Janet.. 2004 *The Potter's Dictionary of Materials and Techniques*. A&C Black Publishers Ltd: London.
- Henry, M., 2013. Designing a Low-Cost Ceramic Water Filter Press. *International Journal for Service Learning in Engineering*, 8(1), pp.62–77.
- Howard, Guy & Bratram, J., 2003. Domestic Water Quantity Service Level and Health. *World Health Organization*. Available at: http://www.who.int/water_sanitation_health/diseases/WSH03.02.pdf?ua=1.
- Iijima, Y.,Karama, M., Oundo, J.O., and Honda, T., 2001. *Prevention of Bacterial diarrhea by pasteurization of drinking water in Kenya*. Microbiology and Immunology, 45 (6), 413-416
- John W. Conrad. 1980. *Contemporary Ceramics Formulas*. New York: Macmillan Publishing Co. Ltd.
- Johnson, S., Peletz, R., Murcott, S. 2008. Results from Household Ceramic Filter Evaluation in Nothern Ghana. 33rd WEDC International Conference.

Access to Sanitation and Safe Water : Global Partnerships and Local Actions. Accra, Ghana, 2008

Jung, W.K., Koo, H.C., Kim, K.W., Shin, S., Kim, S.H, Park, Y.H, 2008, *Anti bacterial activity and mechanism of antion of the silver ion in sthapylococcus aureus and Esherecia coli*, Applied and environmental Microbiology, Apr, 2008, Vol 74, p. 2171-2178

Karsidi, 1999. Hubungan antara tingkat pendidikan dan pendapatan dengan penggunaan air sungai oleh penduduk di sekitar kali jajar Demak, Semarang: *Skripsi*, tidak diterbitkan

Kaper, J.B., Nataro, J.P. & Mobley, H.L.T., 2004. Pathogenic *Escherichia coli*. *Nature Reviews Microbiology*, 2(2), pp.123–140. Available at: <http://www.nature.com/doifinder/10.1038/nrmicro818>.

Klarman, M., 2009. Investigation of Ceramic Pot Filter Design Variables. *Journal of the Electrochemical Society*, 129, p.78. Available at: <http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:No+Title#0>.

Kumala, V, 2010 Efektivitas filter disk keramik untuk standardisasi filter pot keramik di kamboja, *Skripsi*, Institut Teknologi Surabaya, Tidak Diterbitkan

Kwon, Ji., Yoon,Seok., Lee,Seung., Seo, Kook., Shim,Wun. (2005). *Preparation of Silver Nanoparticles in Cellulose Acetate Polymer and The Reaction Chemistry of Silver Complexes in The Polymer*. Seoul : Bulletin Korean Chem

Lantagne, Daniele. 2001a. *Investigation of The Potter of Peace Colloidal Silver Impregnated Ceramic Filter*, Report 1: Intrinsic Effectiveness. Allston: Alethia Environmental

Lantagne, Daniele. 2001b. *Investigation of The Potter of Peace Colloidal Silver Impregnated Ceramic Filter*, Report 2: Field Investigation. Allston: Alethia Environmental Levinson.

Larimer, C., Ostrowski, N., Speakman, J. and Nettleship, I. 2010. *The segregation of silver nanoparticles in low-cost ceramic water filters. Materials Characterization* 61: 408-412.

LeChevallier, M.W. & Au, K.-K., 2004. Water Treatment and Pathogen Control: Process efficiency in achieving safe drinking-water. *WHO Drinking Water Quality Series*, p.107. Available at: http://www.who.int/water_sanitation_health/dwq/watreatment/en/.

Lee, R, 1990, *Hidrologi Hutan*, Gadjah Mada University Press. Yogyakarta.

Lide, D.R, 2000, *CRC Handbook of Chemistry and Physics*, CRC Press

Liu, Z., J. Stout, L. Tedesco, M. Boldin, C. Hwang, W. Diven & V. Yu.1994. *Controlled Evaluation of Copper-Silver Ionization in Eradicating*

Legionella pneumophila from a Hospital Water Distribution System.
Journal of Infectious Diseases.

- Mellor, J. et al., 2014. Modeling the sustainability of a ceramic water filter intervention. *Water Research*, 49, pp.286–299. Available at: <http://dx.doi.org/10.1016/j.watres.2013.11.035>.
- Melanie, J. 1994. *Pottery -A Step by Step Guide to The Craft of Pottery*. London: Merehust Limited.
- Meliawati, 2009, *Escherichia coli* dalam kehidupan manusia, *BioTrends/Vol.4/No.1*, Hal 10-14
- Meng, J. & Schroeder, C.M., *Escherichia coli. Infectious Disease : Foodborne Diseases*, (8).
- Mwabi, J.K. et al., 2011. Household water treatment systems: A solution to the production of safe drinking water by the low-income communities of Southern Africa. *Physics and Chemistry of the Earth*, 36(14–15), pp.1120–1128. Available at: <http://dx.doi.org/10.1016/j.pce.2011.07.078>.
- Napotnik, J. et al., Efficacy of Silver-Treated Ceramic Filters for Household Water Treatment. , (i), pp.19–25.
- Nawaz, M. et al., 2012. Silver disinfection of *Pseudomonas aeruginosa* and *E.coli* in rooftop harvested rainwater for potable purposes. *Science of the Total Environment*, 431, pp.20–25. Available at: <http://dx.doi.org/10.1016/j.scitotenv.2012.05.022>.
- Nederstigt, J., S. Lam. 2005. *Flowrate vs Soaking Time Study*. Srilanka: Practica Foundation
- Oyanedel-Craver, V.A. & Smith, J.A., 2008. Sustainable colloidal-silver-impregnated ceramic filter for point-of-use water treatment. *Environmental Science and Technology*, 42(3), pp.927–933.
- Passman, S., White, T. & Lewis, R., 2014. Point-of-Use Water Filtration for Arsenic: A Sustainable and Simple Solution in Resource-Poor Settings. *International Journal for Service Learning in Engineering*, 9(1), pp.79–91. Available at: <http://library.queensu.ca/ojs/index.php/ijlse/article/view/5261>.
- Pathak, S.P. & Gopal, K., 2012. Evaluation of bactericidal efficacy of silver ions on *Escherichia coli* for drinking water disinfection. *Environmental Science and Pollution Research*, 19(6), pp.2285–2290.
- Prüss-Üstün, A. et al., 2008. Safer water, better health. *World Health Organization*, p.53. Available at: http://www.who.int/quantifying_ehimpacts/publications/saferwater/en/.
- Rayner, Justin. 2009. *Current Practices in Manufacturing of Ceramic Pot Filters for Water Treatment*, Master of Science Thesis. UK: Loughborough University Rayner, Justin. “Comments on Ceramic Disk Filters Result”. 18 May 2010

- RDI- Cambodia. Feb 2009. *Ceramic Water Filter Handbook*. Cambodia
- Rhodes, D. (1973) *Clay and Glazes for the Potter*. Krause Publications: Iola Wisconsin.
- Rivera-Garza, M., Olguin, M.T., Garcia-Sosa, I., Alcantara, D. and Rodriguez-Fuentes, G. (2000) *Silver supported on natural Mexican zeolite as an antibacterial material*. Microporous and Mesoporous Materials 39: 431-444.
- Robert, F. 1986. *Illustrated Dictionary of Practical Pottery*. New York: Prentice Hall Press.
- Russell, A. & W. Hugo.1994. Antimicrobial Activity and Action of Silver. Progress in Medicinal Chemistry.
- Sanropie, D, Sumini, Margono, Sugiarto,S, Purwanto, B.Ristanto. 1984, *Pedoman Studi Penyediaan Air Bersih Akademi Penilik Kesehatan Teknologi Sanitasi*, Departemen Kesehatan Republik Indonesia
- Sarudji, D. 2006. *Kesehatan Lingkungan*. Surabaya: Media Ilmu
- Sastrawijaya, T, 2000, *Pencemaran Lingkungan*, Surabaya, Rineka Cipta.
- Siradz, S.A., Harsono, E.S., Purba, I, *Kualitas Air sungai Code, winongo, dan Gajah uwong, Daerah Istimewa Yogyakarta*, Jurnal Ilmu tanah dan lingkungan Vol 8, No 2 p:121-125
- Soegiman, 1982, *Ilmu Tanah*, Jakarta: Bhratara Karya Aksara
- Stevens, Melita., Ashbolt, Nicholas., Cunliffe, David.2003, Recommendations to Change The Use Of Coliforms As Microbial Indicators of Drinking Water Quality. Canberra, Biotext Pty Ltd
- Sukarma., R., 2009, Pengolahan Air Sederhana dengan Filter Keramik,Hasil Riset dan Penelitian, Opini <http://teknologi.kompasiana.com/internet/2009/12/14/pengolahan-airsederhana-dengan-filter-keramik-hasil-riset-dan-penelitian2/>
- Suparmin., (2000). Studi Air Tanah Bebas Untuk Air Minum Penduduk di Kelurahan Plarangan Kecamatan Karanganyar Kabupaten Kebumen. Skripsi, FIS
- Sutisno, C.T, 2000, *Pengelolaan Sumberdaya Air*, Jakarta. Rineka cipta
- Suyono, 1993. *Pengelolaan Sumber Daya Air*. Fakultas Geografi Universitas Gadjah Mada.
- Thompson, John.,Porras,Ina T.,Tumwine,James., Mujwahuzi,Mark R., Katua, Munguti K.,Johnstone,Nick., Wood, Libby. (2001). Drawers of Water II. UK : The International Institute for Environment and Development (IIED)

- The Ceramics Manufacturing Working Group (2010). *Best Practice Recommendations for Local Manufacturing of Ceramic Filters for Water Treatment*, Ed. 1. Seattle, WA, USA
- UNICEF. (2008). UNICEF Handbook On Water Quality. New York : Water Environment and Sanitation UNICEF
- Van Halem, Doris. 2006. *Ceramic silver impregnated pot filters for household drinking*
- van Halem, D. et al., 2009. Assessing the sustainability of the silver-impregnated ceramic pot filter for low-cost household drinking water treatment. *Physics and Chemistry of the Earth*, 34(1–2), pp.36–42. Available at: <http://dx.doi.org/10.1016/j.pce.2008.01.005>.
- Van der Laan, H. et al., 2014. Bacteria and virus removal effectiveness of ceramic pot filters with different silver applications in a long term experiment. *Water Research*, 51, pp.47–54. Available at: <http://dx.doi.org/10.1016/j.watres.2013.11.010>.
- Wardhana, W.A. 2001. *Dampak Pencemaran Lingkungan*. Edisi Kedua. Cetakan Pertama. Yogyakarta : Penerbit Andi.
- Warren and Ernes Jawest. 1996. *Medical Microbiology and Immunology: Examination and Board Review*. Connecticut: Appleton and Lange.
- WHO .2006. Guidelines for drinking-water quality: first addendum to third edition. World Health Organization: Geneva.
- WHO. 2013. Household Water Treatment and Safe Storage : Manual for Participant. Geneva : World Health Organization Regional Office for the Western Pacific
- WHO, 2013. Ending Preventable Child Deaths from Pneumonia and Diarrhoea by 2025: The integrated Global Action Plan for Pneumonia and Diarrhoea (GAPPD). *Who/Unicef*, pp.1–61. Available at: http://apps.who.int/iris/bitstream/10665/79200/1/9789241505239_eng.pdf.
- WHO/UNICEF, 2015. Progress on Sanitation and Drinking Water (2015 Update and MDG Assessment). , p.4. Available at: http://www.who.int/water_sanitation_health/publications/jmp-2015-update/en/.