

DAFTAR PUSTAKA

- Almatsier, S. 2010. Penuntun Diet Instalasi Gizi Perjan RS Dr. Cipto Mangunkusumo dan Asosiasi Dietisien Indonesia. Gramedia, Jakarta.
- Angela C, Bucovsky M, Horst R, Cremers S, Zhang C, Bessier M et al. 2017. Vitamin D Storage in Adipose Tissue of Obese and Normal Weight Women. *Journal of Bone Miner Res* 32(2): 237-242.
- Armstrong, C. A. and Tomita, K. 2017. Fundamental Mechanisms of Telomerase Action in Yeasts and Mammals: Understanding Telomeres and Telomerase In Cancer Cells. *Open Biology* 7:160338.
- Astuti, Y., Wardhana A., Watkins J., Wulaningsih W. 2017. Cigarette Smoking and Telomere Length: A Systematic Review of 84 Studies and Meta Analysis. *Environmental Research*. Elsevier. 158: 480–489.
- Aubert, G. 2014. Telomere Dynamics and Aging. *Progress in Molecular Biology and Translational Science*. Elsevier Inc. Volume 125:89-111.
- Aviv, A. Valdes, A. Gardner, J.P. Swaminathan, R. Kimura, M and Spector, T.D. 2006. Menopause Modifies the Association of Leukocyte Telomere Length with Insulin Resistance and Inflammation. *Journal of Clinical Endocrinology & Metabolism* 91(2): 635-640.
- Batrinou, Menelaos L. 2013. Premenopause: The Endocrinology of Reproductive Decline. *Hormones* 12(3): 334–349.
- Bilke. D.D. 2014. Vitamin D Metabolism, Mechanism of Action, and Clinical Applications. *Chem Biol* 21(3): 319–329.
- Bojesen, S. E. 2013. Telomeres and Human Health. *Journal of Internal Medicine*. 274(5): 399–413.
- Carneiro, M. C., de Castro, I. P. and Ferreira, M. G. 2016. Telomeres in Aging and Disease: Lessons from Zebrafish. *Disease Models & Mechanisms* 9(7): 737–748.
- Cassidy, A. *et al.* 2010. Associations between Diet, Lifestyle Factors, and Telomere Length In Women. *American Journal of Clinical Nutrition* 91(18): 1273–1280.
- Chatterjee, M. 2001. Vitamin D and Genomic Stability. *Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis* 475(1): 69–87.
- Chung, I. Osterwald, S. Deeg, K.I. Rippe, K. 2012. PML Body Meets Telomere the Beginning of an ALTerate Ending. *Nucleus* 3(3): 263-275.
- Coluzzi, E. *et al.* (2014) . Oxidative Stress Induces Persistent Telomeric DNA

- Damage Responsible for Nuclear Morphology Change in Mammalian Cells. *Plos One* 9 (10).
- Correia Melo, C., Hewitt, G. and Passos, J. F. 2014. Telomeres, Oxidative Stress and Inflammatory Factors: Partners in Cellular Senescence? *Longevity & Healthspan* 3(1): 1-9.
- Dahlan, M. S. 2011. *Statistik untuk Kedokteran dan Kesehatan*. Jakarta: Penerbit Salemba.
- Dalgard, C. et al. 2015. Leukocyte Telomere Length Dynamics in Women And Men: Menopause vs Age Effects. *International Journal of Epidemiology* 44(5): 1688–1695.
- Damayanti, A.Y. Indarto, D. Wasita, B. Ardyanto, T.D. 2017. Indeks Massa Tubuh, Asupan Vitamin D dan Serum 25-hydroxyvitamin D pada Pasien Kanker Payudara. *Jurnal Gizi Klinik Indonesia* 14(2): 56-63.
- Darmojo, B. dan Martono, H. 2006. *Buku Ajar Geriatri (Ilmu Kesehatan Usia Lanjut) Edisi Ke-3*. Jakarta. Balai Pustaka FKUI.
- Freitas Simoes, T. M., Ros, E. and Sala-Vila, A. 2016. Nutrients, Foods, Dietary Patterns and Telomere Length: Update of Epidemiological Studies and Randomized Trials. *Metabolism: Clinical and Experimental* 65(4): 406–415.
- Gardner, M. *et al.* 2014. Gender and Telomere Length: Systematic Review And Meta-Analysis. *Experimental Gerontology*. Elsevier 51: 15–27.
- Gu, Y. *et al.* 2015. Mediterranean Diet and Leukocyte Telomere Length in a Multi-Ethnic Elderly Population. *Age*, 37(24): 1-15.
- Herrmann, M. Pusceddu I., Marz W., Hermann W. 2018. Telomere Biology and Age Related Diseases. *Clinical Chemistry and Laboratory Medicine*: 1-18.
- Hoffecker, B. M., Raffield L.M., Kamen D.L., Nowling T.K. 2013. Systemic Lupus Erythematosus and Vitamin D Deficiency are Associated with Shorter Telomere Length Among African Americans: A Case-Control Study. *Plos One* 8(5): 1–8.
- Holick, M. F. 2010. *Vitamin D: Physiology, Molecular Biology, and Clinical Applications*. United States. Humana Press.
- Holick, M.F. 2010. Vitamin D Status: Measurement, Interpretation and Clinical Application. *Annals of Epidemiology* 19(2): 73-78.
- Holick, M. F. *et al.* 2012. Evaluation, Treatment, and Prevention of Vitamin D Deficiency: an Endocrine Society Clinical Practice Guideline. *J Clin Endocrinol Metab* 96(7): 1911-1930.
- Houben, J. M., Moonen H., Van Schooten F., Hageman G. 2008. Telomere Length Assessment: Biomarker of Chronic Oxidative Stress?. *Free Radical Biology and Medicine* 44(3): 235–246.

- [IASO]. International Association for the Study of Obesity. 2000. The Asia Pacific Perspective: Redefining Obesity and its Treatment.
- Irawati Dian. 2009. Tingkat Pengetahuan Wanita Usia Madya Dini Tentang Perubahan Menstruasi pada Masa Premenopasue di Polindes Gumantuk Kecamatan Maduran Kabupaten Lamongan. *Jurnal Hospital Majapahit* 1: 66–78.
- Ito, H., A. Ohshima., N. Ohto., M. Tsuzuki., K. Takao., C. Hijii., H. Tanaka., K. Nishioka. 2001. Relation between Body Composition and Age in Healthy Japanese Subject. *European Journal of Clinical Nutrition* 55: 462 – 467
- Jin, K. 2010. Modern Biological Theories of Aging. *Aging and disease* 1(2): 72–74.
- Jones, Marcus H, Cantarelli Machado, and E Sarria. 2018. Effects of Diet on Telomere Length : Systematic Review and Meta-Analysis. *Journal of Public Health Genomic*: 60.
- Keller, C *et al.* 2010. Perimenopausal Obesity. *Journal of Women's Health*, 19(5):987-996.
- [Kemenkes]. Kementrian Kesehatan RI. 2013. Gambaran Kesehatan Lanjut Usia di Indonesia. Jakarta. *Buletin Jendela dan Informasi Kesehatan*. 67 hal.
- [Kemenkes] Kementrian Kesehatan RI. 2013. Angka Kecukupan Gizi Energi, Protein Yang Dianjurkan Bagi Bangsa Indonesia. Lampiran Peraturan Menteri Kesehatan Republik Indonesia Nomor 75 Tahun 2013.
- Kong, C. M., Lee, X. W. and Wang, X. 2013. Telomere Shortening in Human Diseases. *FEBS Journal*, 280(14): 3180–93.
- Laine, M. K. *et al.* 2015. Effect of Intensive Exercise in Early Adult Life on Telomere Length in Later Life in Men. *Journal of Sports Science and Medicine* 14: 239–245.
- Latifovic, L., Peacock S., Massey T., King W. 2016. The Influence of Alcohol Consumption, Cigarette Smoking, and Physical Activity on Leukocyte Telomere Length. *Cancer Epidemiology Biomarkers & Prevention*, 25(2): 374–380.
- Lee, J. Y., Shin C., and Baik I. 2015. Association Between Dietary Patterns in the Remote Past and Telomere Length. *European Journal of Clinical Nutrition and Dietetics* 69(9): 1048–1052.
- Lee, J. Y., Shin, C., and Baik, I. 2017. Longitudinal Associations Between Micronutrient Consumption and Leukocyte Telomere Length. *Journal of Human Nutrition and Dietetics* 30(2): 236–243.
- Liu, J. J. *et al.* 2013. Plasma Vitamin D Biomarkers and Leukocyte Telomere Length. *American Journal of Epidemiology* 177(12): 1411–1417.

- Liu, J. J. *et al.* 2016. Relationship Between Plasma 25-hydroxyvitamin D and Leucocyte Telomere Length by Sex and Race in a US study. *British Journal of Nutrition* 116(6): 953–960.
- Lu, W., Zhang Y., Liu D., Songyang Z and Wan M. 2013. Telomeres Structure, Function, and Regulation. *Experimental Cell Research* 319(2): 133–41.
- Marcon, F. *et al.* 2012. Diet Related Telomere Shortening and Chromosome Stability. *Mutagenesis Journal* 27(1): 49–57.
- Mazahery H, R von Hurst P. 2015. Factor Affecting 25-Hydroxyvitamin D Concentration in Response to Vitamin D Supplementation. *Nutrients Journal* 7;5111-5142.
- Mazidi, M., Michos, E. D. and Banach, M. 2017. The Association of Telomere Length and Serum 25-hydroxyvitamin D Levels in US Adults: The National Health and Nutrition Examination Survey. *Archives of Medical Science* 13(1): 61–65.
- Meeuwssen, S., G.W. Horgan., M. Elia. 2010. The Relationship between BMI and Percent Body Fat, Measured by Bioelectrical Impedance, in A Large Adult Sample is Curvilinear and Influenced by Age and Sex. *Clinical Nutrition* 29: 560 - 566
- Mercado Saenz, S., Ruiz Gomez M.J., Moreno Morales. F., Martinez Morillo. M. 2010. Cellular Aging: Theories and Technological Influence. *Brazilian Archives of Biology and Technology*, 53(6): 1319–1332.
- Milte, C. M., Russel, A.P., Ball, K., Crawford, D., Salmon, J., McNaughton, S.A. 2018. Diet Quality and Telomere Length in Older Australian Men and Women. *European Journal of Nutrition* 57(1): 363–372.
- Mo, S. 2013. [Hormonal changes in menopause: Is it all downhill from here?.](https://neuroendoimmune.wordpress.com) <https://neuroendoimmune.wordpress.com>. (Diakses 15 April 2018)
- Mundstock, E. *et al.* 2015. Effect of Obesity on Telomere Length: Systematic Review and Meta-analysis. *Obesity Journal* 23(11): 2165–2174.
- Murray, R. K. *et al.* 2012. *Biokimia Harper Edisi 29*, Jakarta: EGC.
- Nair, R. and Maseeh, A. 2012. Vitamin D: The ‘Sunshine’ Vitamin. *Journal of Pharmacology & Pharmacotherapeutics* 3(2): 118.
- Nair Shalliker, V., Armstrong, B. K. and Fenech, M. 2012. Does Vitamin D Protect Against DNA Damage?. *Mutation Research Fundamental and Molecular Mechanisms of Mutagenesis* 733(1–2): 50–57.
- Oats, J., S. Abraham (*eds*). 2010. *Fundamentals of Obstetrics and Gynaecology*. London: Elsevier.

- O Sullivan, R. J. and Karlseder, J. 2010. Telomeres: Protecting Chromosomes Against Genome Instability. *Nature Reviews Molecular Cell Biology* 11(3): 171–181.
- Oemardi, M. *et al.* 2007. The Effect of Menopause on Bone Mineral Density and Bone-Related Biochemical Variables in Indonesian Women. *Clinical Endocrinology* 67(1): 93–100.
- Oeseburg, H., A. Rudolf., de Boer., H. Wiek., van Gilst., der Harst, P. 2010. Telomere Biology in Healthy Aging and Disease. *Pflugers Arch European Journal of Physiology* 459(2): 259–268.
- Opresko, P. L. *et al.* 2002. Telomere Binding Protein TRF2 Binds to and Stimulates the Werner and Bloom Syndrome Helicases. *Journal of Biological Chemistry* 277(43): 41110–41119.
- Palaniswamy, S. 2018. Vitamin D Status and Its Association with Leukocyte Telomere Length, Obesity and Inflammation in Young Adults : a Northern Finland Birth Cohort 1966 Study [Disertation]. University of Oulu. Finland. 176p.
- Perez L, *et al.* 2018. Effects of Diet on Telomere Length : Systematic Review and Meta-Analysis. *Public Health Genomics* 60: 1-7
- Prior, J.C., C.L. Hitchcock. 2011. The Endocrinology of Perimenopause : Need for A Paradigm Shift. *Frontiers in Bioscience* 3: 474 – 486
- Purwaningsih, E. 2017. Pemendekan Telomer dan Apoptosis. *Jurnal Kedokteran YARSI* 22(2): 132–141.
- Pusceddu, I. *et al.* 2015. The Role of Telomeres and Vitamin D in Cellular Aging and Age Related Diseases. *Clinical Chemistry and Laboratory Medicine*, 53(11):1661–1678.
- Ratnawati, H. 2002. Enzim Telomerase dan Karsinogenesis. *Jurnal Kedokteran Maranatha* 2(1): 39-50.
- Reves, J. G., Sheila Ryan Barnett, Julie R. McSwain, and G. Alec Rooke. 2017. *Geriatric Anesthesiology: Third Edition.*
- Richards, J.B. *et al.* 2007. Higher Serum Vitamin D Concentrations are Associated with Longer Leukocyte Telomere Length in Women. *American Journal of Clinical Nutrition*; 86: 1420–25.
- [Rikesdas]. Riset Kesehatan Dasar 2013. Jakarta: Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia.
- Rochmah, N. Probosari, E dan Diény, F.F. 2017. Hubungan Asupan Vitamin D dan Kalsium dengan Kadar Glukosa Darah Puasa Wanita Obesitas Usia 45-55 Tahun. *Journal of Nutrition College* 6(4): 285-292.

- Sari D.K, Alrasyid, H., Lipoeto N.,L. dan Zulkifli L. 2014. Occurrence of Vitamin D Deficiency among Women In North Sumatera, Indonesia. *Mal J Nutr*, 20(1): 63–70.
- Setiati, S. 2008. Pengaruh Paparan Sinar Ultraviolet B Bersumber dari Sinar Matahari terhadap Konsentrasi Vitamin D (25(OH)D) dan Hormon Paratiroid pada Perempuan Lanjut Usia Indonesia.
- Shammas, M. A. 2011. Telomeres, Lifestyle, Cancer, and Aging. *Current Opinion in Clinical Nutrition and Metabolic Care* 14(1): 28–34.
- Shils, M. E. and Shike, M. 2011. *Modern Nutrition in Health and Disease*. Eleventh. Lippincott Williams & Wilkins.
- Shin, Y.A and Lee, K.Y. 2016. Low Estrogen Levels and Obesity are Associated with Shorter Telomere Length in Pre and Postmenopausal Women. *Journal of Exercise Rehabilitation* 12(3): 238-246.
- Soares, C.N., L.S. Cohen. 2001. The Perimenopause, Depressive Disorders, and Hormonal Variability. *Sao Paulo Medical Journal* 119: 78 - 83.
- Suhardjo, Kusharto Clara M. 1999. *Prinsip-Prinsip Ilmu Gizi*. Kanisius. Jogjakarta.
- Supariasa, I Dewa Nyoman, Bachyar Bakri, dan Ibnu Fajar. 2012. *Penilaian Status Gizi*. Jakarta: EGC.
- Suzan, R. 2018. Korelasi Antara Asupan Vitamin D Dengan Kadar 25 (OH) D Serum Pada Pasien Lupus Eritematosus Sistemik Perempuan Dewasa Jambi *Medical Jurnal*, 6, pp. 56–57.
- Tsiaras, W.G and Weinstock M,A. 2011. Factor Influencing Vitamin D Status. *Acta Derm Venereol* 91:115-124.
- Valdes, A. M. *et al.* 2005. Obesity, Cigarette Smoking, and Telomere Length in Women. *Lancet* 366: 662–664.
- Vera, V., Setiati, S. dan Roosheroe, A. G. 2015. Determinan Diagnostik Klinis Defisiensi Vitamin D pada Wanita Berusia Lebih dari 50 Tahun. *Jurnal Penyakit Dalam Indonesia*, 2(1): 38–48.
- Vitamin D Council. 2018. Testing for Vitamin D. <https://www.vitamindcouncil.org>. Diakses pada tanggal 16 April 2018.
- Wagner, Deborah. 2016. Perimenopause-The Untold Story. *Obstetrics & Gynecology International Journal* 5(1): 139–40.
- Wai, L. K. 2004. Telomeres, Telomerase, and Tumorigenesis a Review. *Medscape General Medicine* 6(3):19.
- Williams, Dylan M. et al. 2016. 25-Hydroxyvitamin D Concentration and

- Leukocyte Telomere Length in Young Adults: Findings from the Northern Finland Birth Cohort 1966. *American Journal of Epidemiology* 183(3): 191–98.
- [WHO]. World Health Organization. 2008. *Waist Circumference and Waist Hip Ratio: Report of a WHO Expert Consultation*. Geneva.
- [WHO]. World Health Organization. 2016. *Global Status Report on Non Communicable Diseases 2016*. Geneva.
- Xu, Q., Parks. C.G., DeRoo. L.A., Cawthon R. M., Sandler. D.P., and Chen. H. 2009. Multivitamin Use and Telomere Length in Women. *American Journal of Clinical Nutrition* 89(6): 1857–63.
- Yosephin, B., Khomsan, A., Briawan, D., dan Rimbawan. 2014. Peranan Ultraviolet B Sinar Matahari terhadap Status Vitamin D dan Tekanan Darah pada Wanita Usia Subur. *Jurnal Kesehatan Masyarakat Nasional* 8(6): 256-260.
- Zalli, A. *et al.* 2014. Shorter Telomeres with High Telomerase Activity are Associated with Raised Allostatic Load and Impoverished Psychosocial Resources. *Proceedings of the National Academy of Sciences* 111(12): 4519–4524.
- Zarini, G.G. McLean, M. Vaccaro, J. Exebio, J. Ajabshir, S. and Huffman, F.G. 2016. Effect of Vitamin D3 Supplementation on Telomerase Activity in Hispanic with Type 2 Diabetes. *FASEB Jurnal* 30(1): 1156
- Zhou, C. *et al.* 2013. Estrogen Induction of Telomerase Activity through Regulation of the Mitogen Activated Protein Kinase (MAPK) Dependent Pathway in Human Endometrial Cancer Cells. *Plos One* 8(2).
- Zhou, P. *et al.* 2017. Survey on the Levels of 25-hydroxyvitamin D and Bone Metabolic Markers and Evaluation of Their Correlations with Osteoporosis in Perimenopausal Woman in Xi'an Region. *Plos One* 12(7): 1–14.