# DAFTAR PUSTAKA


Batson. (2009). Update on proprioception: considerations for dance education. *Journal of Dance Medicine & Science : Official Publication of the International Association for Dance Medicine & Science*, *13*(4).

Bonnefoy, M., et al. (2003). The effects of exercise and protein–energy supplements on body composition and muscle function in frail elderly individuals: a long-term controlled randomised study. *British Journal of Nutrition*, *89*(5), 731–738. https://doi.org/10.1079/bjn2003836.

Boedhi, Darmojo, R. (2011). *Buku Ajar Geriatic (IlmuKesehatanLanjutUsia) Edisike-* 4 Jakarta : Balai Penerbit FKUI.

Brock, A. M. (2010). Gerontological nursing. In *Special Care in Dentistry* (Vol. 2, Issue 5). https://doi.org/10.1111/j.1754-4505.1982.tb00055.x

Brundle, C., & Waterman, H. (2015). The causes of falls: Views of older people with visual impairment. *Health Expectations*, *18*(6), 2021–2031. https://doi.org/10.1111/hex.12355

C, H. (2011). 14 Balance ability and athletic performance. *Sports Medicine*, *41*(3), 221–232.

Cahyoko. (2016). Pengaruh Latihan Peregangan Terhadap Keseimbangan Dinamis Pada Wanita Usia 60-70 Tahun Club Lansia Anggrek Karangpilang Kota Surabaya. *Jurnal Kesehatan Olahraga*, *4*(1), 92–97.

Celenk, C.,et al. (2018). the Comparison Between Static and Dynamic Balance the Comparison Between Static and Dynamic Balance. *European Journal of Physical Education and Sport Science*, *4*(1), 28–34. https://doi.org/10.5281/zenodo.1134618

Chodzko-Zajko, et al. (2009). Exercise and physical activity for older adults. *Medicine and Science in Sports and Exercise*, *41*(7), 1510–1530. https://doi.org/10.1249/MSS.0b013e3181a0c95c

Delhaye, B. P., et al. (2016). Key considerations in designing a somatosensory neuroprosthesis. *Journal of Physiology Paris*, *110*(4), 402–408. https://doi.org/10.1016/j.jphysparis.2016.11.001

Drzał-Grabiec, J.,et al. (2013). Changes in the body posture of women occurring with age. *BMC Geriatrics*.

Dunsky, A., Zeev, A., & Netz, Y. (2017). Balance Performance Is Task Specific in Older Adults. *BioMed Research International*. https://doi.org/10.1155/2017/6987017

Faidah, N., Kuswardhani, T., & Artawan E.P, I. W. G. (2020). Pengaruh Latihan Keseimbangan Terhadap Keseimbangan Tubuh Dan Risiko Jatuh Lansia. *Jurnal Kesehatan*, *11*(2), 100.

https://doi.org/10.35730/jk.v11i2.428

Fernandes, V. L. S., et al. (2018). Postural changes versus balance control and falls in community-living older adults: a systematic review. *Fisioterapia Em Movimento*, *31*(0), 1–15. https://doi.org/10.1590/1980-5918.031.ao25

Fjell, A. M., Walhovd, K. B., Fennema-Notestine, C., McEvoy, L. K., Hagler, D. J., Holland, D., Brewer, J. B., & Dale, A. M. (2009). One-year brain atrophy evident in healthy aging. *Journal of Neuroscience*, *29*(48), 15223–15231. https://doi.org/10.1523/JNEUROSCI.3252-09.2009

Frankel, J. E., Bean, J. F., & Frontera, W. R. (2006). Exercise in the Elderly: Research and Clinical Practice. *Clinics in Geriatric Medicine*, *22*(2), 239–256. https://doi.org/10.1016/j.cger.2005.12.002

Grendell, R. N. (2014). Wilmoth, Janet & Ferraro, Kenneth, Eds. Gerontology Perspectives and Issues (4th ed.). *Anthropology & Aging*, *35*(1), 67–69. https://doi.org/10.5195/aa.2014.40

Guccione, A. A., Wong, R. A., & Avers, D. (2012). Geriatric Physical Therapy. In *Geriatric Physical Therapy*. https://doi.org/10.1016/C2009-0-60243-9

Hall, S. J. (2014). *Basic Biomechanics* (7th ed.). McGraw-Hill Education.

Herman, T., Giladi, N., & Hausdorff, J. M. (2011). Properties of the "Timed Up and Go" test: More than meets the eye. *Gerontology*, *57*(3), 203–210. https://doi.org/10.1159/000314963

Hsu, W. L.,et al. (2014). Balance control in elderly people with osteoporosis. *Journal of the Formosan Medical Association*, *113*(6), 334–339. https://doi.org/10.1016/j.jfma.2014.02.006

Irfan, M. 2010. Fisioterapi bagi Insan Stroke. Edisi Pertama. Jogjakarta; Graha Ilmu.p.50-70

Ishikawa, Y., et al . (2009). Spinal curvature and postural balance in patients with osteoporosis. *Osteoporosis International*, *20*(12), 2049–2053. https://doi.org/10.1007/s00198-009-0919-9

Jain Taylor J. (2017). The Effect of Tai Chi on Functional Lower Extremity Mobility and Strength, Ankle Proprioception, and Postural Adaptation in Older Adults. *American Journal of Medicine and Medical Sciences*, *7*(June), 229–237. https://doi.org/10.5923/j.ajmms.20170706.01

Kaesler, D. S., et al. (2007). A novel balance exercise program for postural stability in older adults: A pilot study. *Journal of Bodywork and Movement Therapies*, *11*(1), 37–43. https://doi.org/10.1016/j.jbmt.2006.05.003

Karimi, M. T., & Solomonidis, S. (2011). The relationship between parameters of static and

dynamic stability tests. *Journal of Research in Medical Sciences*.

Khadhiroh, M. R. (2018). Peningkatan Keseimbangan Statis Dan Dinamis Pada Wanita Lansia Melalui Senam Bugar Lansia Posyandu Lansia Berseri Bancar Tuban. *Jurnal Kesehatan Olahraga*, *6*(2), 4–5.

Kisner, C., & Colby, L. A. (2012). Therapeutic Exercise Foundations and Techniques, Sixth Edition, F.A. *Davis Company, America.*

Ko, E. J., et al. (2018). Frenkel's exercise on lower limb sensation and balance in subacute ischemic stroke patients with impaired proprioception. *Neurology Asia*, *23*(3), 217–224.

La Ode, 2012. Asuhan Keperawatan Gerontik. Yogyakarta. Nuha Medika.

Mahoney, J. R., & Verghese, J. (2018). Visual-Somatosensory Integration and Quantitative Gait Performance in Aging. *Frontiers in Aging Neuroscience*, *10*(November). https://doi.org/10.3389/fnagi.2018.00377

Manini, T. M., & Clark, B. C. (2012). Dynapenia and aging: An update. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, *67 A*(1), 28–40. https://doi.org/10.1093/gerona/glr010

Munawwarah, M., & Nindya, P. (2015). Pemberian Latihan Pada Lansia Dapat Meningkatkan Keseimbangan dan Mengurangi Resiko Jatuh Lansia. *Fakultas Fisioterapi Universitas Esa Unggul*, *15*(April), 38–44. http://ejurnal.stikesbaptis.ac.id/index.php/STIKES/article/view/306/279

Nashner, L. M. (2002). The anatomic basis of balance in orthopaedics. In *Orthopaedic Physical Therapy Clinics of North America*.

Nitz, J. C., & Choy, N. L. (2004). The efficacy of a specific balance-strategy training programme for preventing falls among older people: A pilot randomised controlled trial. *Age and Ageing*, *33*(1), 52–58. https://doi.org/10.1093/ageing/afh029

Nursalam, Indarwati, R., & Kristi, M. C. (2008). Berg Balance Test (Bbt) Dan Time Up and Go Test (Tugt) Sebagai Indikator Prediksi Jatuh Lansia. *Jurnal Ners*, *3*(2).

Nugroho (2008). Keperawatan Gerontik. Buku Kedokteran EGC: Jakarta

Prasad, S., & Galetta, S. L. (2011). Anatomy and physiology of the afferent visual system. In *Handbook of Clinical Neurology* (1st ed., Vol. 102, Issue 617). Elsevier B.V. https://doi.org/10.1016/B978-0-444-52903-9.00007-8

Putri, D. K. (2016). *efektivitas penambahan lower extremity resistence training terhadap intervensi tendem walk exercise pada keseimbangan wanita menopause*. Esa Unggul.

Reza Vafaeenasab, M., Amiri, A., & Ali Morowatisharifabad,. (2018). Comparative Study of Balance Exercises (Frenkel) and Aerobic Exercises (Walking) on Improving Balance in the Elderly. *Elderly Health Journal*, *4*(2), 43–48. https://doi.org/10.18502/ehj.v4i2.259

Salzman, B. (2011). Gait and balance disorders in older adults. *American Family Physician*, *82*(1), 61–68.

Satria, N., Muliarta, N., I Made, M. H., & Wahyuni. (2016). Pelatihan 12 Balance Exercise Lebih Meningkatkan Keseimbangan Dinamis Daripada Balance Strategy Exercise Pada Lansia Di Banjar Bumi Shanti, Desa Dauh Puri Kelod, Kecamatan Denpasar Barat. *Majalah Ilmiah Fisioterapi Indonesia (MIFI)*.

Schluppeck, D., & Francis, S. (2015). Somatosensory Processing. In *Brain Mapping: An Encyclopedic Reference* (Vol. 2, Issue 2007). Elsevier Inc. https://doi.org/10.1016/B978-0-12-397025-1.00045-2

Sena, I. et al. (2019). Pelatihan Keseimbangan Yang Efektif Pada Lansia. *Sintesa*, *5*, 307–314.

Sharif, R. S., & Al-daour, D. S. (2018). *Falls in the elderly : assessment of prevalence and risk factors. Pharmacy Practice [revista en Internet] 2018 [acceso 4 de enero de 2020]; 16(3): 1-7*. *16*(3), 1–7. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6207352/pdf/pharmpract-16-1206.pdf

Sjöblom, S.,et al. (2013). Relationship between postmenopausal osteoporosis and the components of clinical sarcopenia. *Maturitas*, *75*(2), 175–180. https://doi.org/10.1016/j.maturitas.2013.03.016

Suadnyana, A. A. (2014). *Core Stability Exercise Meningkatkan Keseimbangan Dinamis Lansia Di Banjar Bebengan, Desa Tangeb, Kecamatan Mengwi, Kabupaten Badung*.

Suadnyana, I. A. A., Paramurthi, I. A. P., & Prianthara, I. M. D. (2019). Perbedaan Efektivitas Latihan Balance Strategy dan Latihan Jalan Tandem Dalam Meningkatkan Keseimbangan Dinamis Lansia. *Bali Health Journal*, *3*(2–1), S36–S43.

Sudrajat, W. A. (2014). Efek Pemberian Latihan Keseimbangan Dalam Mempertahankan Kemampuan Keseimbangan Manula Panti Wredha Rindang Asih 1 Ungaran. *Journal of Sport Sciences and Fitness*, *3*(1), 49–54.

Sugiyama, T., & Oda, H. (2017). Osteoporosis therapy: Bone modeling during growth and aging. *Frontiers in Endocrinology*, *8*(MAR), 8–11. https://doi.org/10.3389/fendo.2017.00046

Supriyono, E. (2015). Aktivitas Fisik Keseimbangan Guna Mengurangi Risiko Jatuh pada Lansia. Jurnal Olahraga Prestasi Vol. 11(2). *Ekp*, *13*(3), 1576–1580.

Utomo, B., & Takarini, N. (2009). Uji Validitas Kriteria Time Up and Go Test ( Tug ) Sebagai Alat Ukur Keseimbangan Pada Lansia. *Jurnal Fisioterapi*, *9*(2), 86–93.

Van den Beld, A. W., Kaufman, J. M., Zillikens, M. C., Lamberts, S. W. J., Egan, J. M., & van der Lely, A. J. (2018). The physiology of endocrine systems with ageing. In *The Lancet Diabetes and Endocrinology*. https://doi.org/10.1016/S2213-8587(18)30026-3

Watson. (2016). The Human Balance System. *Veda*, 1–4. https://vestibular.org/understanding-vestibular-disorder/human-balance-system

Widarti, R., & Triyono, E. (2018). Pemberian Ankle Strategy Exercise Pada Lansia Terhadap Keseimbangan Dinamis. *Gaster | Jurnal Ilmu Kesehatan*, *16*(1), 83. https://doi.org/10.30787/gaster.v16i1.232

Willis, W. D. (2007). The somatosensory system, with emphasis on structures important for pain. *Brain Research Reviews*, *55*(2 SPEC. ISS.), 297–313. https://doi.org/10.1016/j.brainresrev.2007.05.010

Winter, D. A. (2009). Biomechanics and Motor Control of Human Movement: Fourth Edition. In *Biomechanics and Motor Control of Human Movement: Fourth Edition*. https://doi.org/10.1002/9780470549148

Xu, C., Ebeling, P. R., & Scott, D. (2019). Body Composition and Falls Risk in Older Adults. *Current Geriatrics Reports*, *8*(3), 210–222. https://doi.org/10.1007/s13670-019-00294-6