



Daftar Pustaka

- Adamczak, A., Ożarowski, M., & Karpiński, T. M. (2020). Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity. *Pharmaceuticals (Basel, Switzerland)*, 13(7). <https://doi.org/10.3390/ph13070153>
- Ahn, H., La, J.-H., Chung, J. M., Miao, H., Zhong, C., Kim, M., An, K., Lyon, D., Choi, E., & Fillingim, R. B. (2019). The Relationship Between β -Endorphin and Experimental Pain Sensitivity in Older Adults With Knee Osteoarthritis. *Biological Research for Nursing*, 21(4), 400–406. <https://doi.org/10.1177/1099800419853633>
- Akbarnezhad, N., Shahboulaghi, F. M., Khankeh, H., Sokhangouie, Y., Biglarian, A., & Modanloo, S. (2019). The effect of acupressure therapy on pain, stiffness and physical functioning of knees among older adults diagnosed with osteoarthritis: A pilot randomized control trial. *European Journal of Integrative Medicine*, 28, 68–75. <https://doi.org/10.1016/j.eujim.2019.04.007>
- Alami, S., Boutron, I., Desjeux, D., Hirschhorn, M., Meric, G., Rannou, F., & Poiraudeau, S. (2011). Patients' and practitioners' views of knee osteoarthritis and its management: A qualitative interview study. *PLoS ONE*, 6(5). <https://www.scopus.com/inward/record.uri?eid=2-s2.0-7995588281&doi=10.1371%2Fjournal.pone.0019634&partnerID=40&md5=ba06e0005fc3dd4eb48a6ed9148dd03e>
- Alinaghizadeh, M, Hawkins, J., Abbassian, A., Seif barghi, T., Ayati, M. H., & Alizadeh vaghasloo, M. (2021). Effect of Persian acupressure (Ghamz) on Patients with Knee Osteoarthritis: A Single-Blinded Parallel Clinical Trial. *Pain Management Nursing*, 22(6), 820–827. <https://doi.org/10.1016/j.pmn.2021.06.002>
- Alinaghizadeh, Maryam, Hawkins, J., Abbassian, A., Seif Barghi, T., Ayati, M. H., & Alizadeh Vaghasloo, M. (2021). Effect of Persian acupressure (Ghamz) on patients with knee osteoarthritis: A single-blinded parallel clinical trial. *Pain Manag. Nurs.*, 22(6), 820–827. <https://doi.org/10.1016/j.pmn.2021.06.002>
- Alligood, M. R. (2017). *Nursing Theorists and Their Work-E-Book*. Elsevier.
- Atabaki, M., Shariati-Sarabi, Z., Tavakkol-Afshari, J., & Mohammadi, M. (2020). Significant immunomodulatory properties of curcumin in patients with osteoarthritis; a successful clinical trial in Iran. *International Immunopharmacology*, 85, 106607. <https://doi.org/10.1016/j.intimp.2020.106607>
- Badan Pusat Statistik, B. P. S. (2021). *Proyeksi Penduduk Indonesia 2015-2045 Hasil SUPAS 2015 (Edisi Revisi)* (D. S. K. dan K. Badan Pusat Statistik

(ed.)). Badan Pusat Statistik RI.

Bellamy, N., Buchanan, W., Goldsmith, C., & Al, E. (1988). Validation study of WOMAC: A health status instrument for measuring clinically important patient relevant outcomes to antirheumatic drug therapy in patients with osteoarthritis of the hip or knee. *J Rheumatology*, 15(12), 1833–1840.

Berenbaum, F. (2013). Osteoarthritis as an inflammatory disease (osteoarthritis is not osteoarthrosis!). *Osteoarthritis and Cartilage*, 21(1), 16–21.
<https://doi.org/https://doi.org/10.1016/j.joca.2012.11.012>

Bertorio, M. J. (2017). *Efektivitas Kombinasi Ekstrak Temulawak, Jahe, Kedelai Dan Kulit Udang Dibandingkan Dengan Meloksikam Pada Pasien Osteoarthritis Lutut*. Universitas Gadjah Mada.

Büyükcı, R., Aktürk, S., & Sağ, S. (2018). Comparison of blood platelet distribution width and neutrophil-lymphocyte ratio in patients with different grades of knee osteoarthritis. *Journal of Back and Musculoskeletal Rehabilitation*, 31(6), 1035–1039. <https://doi.org/10.3233/BMR-171028>

Chatawatee, B., Chokpaisarn, J., Yusuf, M., Waehama, F., Kunworarath, N., Kongsuwan, C., & Salaemae, M. (2022). Effectiveness of knee acupressure along with herbal knee poultice for knee osteoarthritis treatment: A pilot pre-post clinical study. *Journal of Herbal Medicine*, 32.
<https://doi.org/10.1016/j.hermed.2021.100498>

Cheragh-Birjandi, S., Moghboli, M., Haghghi, F., Safdari, M. R., Baghernezhad, M., Akhavan, A., & Ganji, R. (2020). Impact of resistance exercises and nano-curcumin on synovial levels of collagenase and nitric oxide in women with knee osteoarthritis. *Translational Medicine Communications*, 5(1), 3.
<https://doi.org/10.1186/s41231-020-00055-0>

Cheung, D. S. T., Yeung, W.-F., Suen, L. K.-P., Chong, T. C., Ho, Y.-S., Yu, B. Y.-M., Chan, L. Y.-T., Chen, H.-Y., & Lao, L.-X. (2019). Self-administered acupressure for knee osteoarthritis in middle-aged and older adults: a pilot randomized controlled trial. *Acupuncture in Medicine*, 38(2), 75–85.
<https://doi.org/10.1177/0964528419883269>

Croke, L. M. (2014). Treatment of knee osteoarthritis: a clinical practice guideline from the AAOS. *American Family Physician*, 89(11), 918–920.

Dewi, S. (2014). *Diagnosis dan Penatalaksanaan Osteoarthritis*. Perhimpunan Reumatologi Indonesia.

Favero, M., Cacciavillani, M., Ometto, F., Lorenzin, M., Cozzi, G., Scagnellato, L., Vio, S., Doria, A., Briani, C., & Ramonda, R. (2024). Assessment of Neuropathic Pain in Erosive Hand Osteoarthritis. *Journal of Clinical Medicine*, 13(11). <https://doi.org/10.3390/jcm13113244>



Ferri, F. F. (2025). *FERRI'S CLINICAL ADVISOR 2025*. Elsevier.

Fillingim, R. B. (2017). Individual differences in pain: understanding the mosaic that makes pain personal. *Pain*, 158 Suppl(Suppl 1), S11–S18.
<https://doi.org/10.1097/j.pain.0000000000000775>

Girsang, A. P., Ramdani, K. D., & Nugroho, S. W. (2021). *Statistik Lansia Tahun 2021*. <https://doi.org/2086-1036>

Guo, D., Ma, S., Zhao, Y., Dong, J., Guo, B., & Li, X. (2022). Self-administered acupressure and exercise for patients with osteoarthritis: A randomized controlled trial. *Clinical Rehabilitation*, 36(3), 350–358.
<https://doi.org/10.1177/02692155211049155>

Hariton, E., & Locascio, J. J. (2018). Randomised controlled trials - the gold standard for effectiveness research: Study design: randomised controlled trials. *BJOG : An International Journal of Obstetrics and Gynaecology*, 125(13), 1716. <https://doi.org/10.1111/1471-0528.15199>

Hariyanto, H., Butar Butar, J., Lawrence, G. S., Suhadi, B., & Tanra, A. H. (2012). Association Between Plasma Beta-endorphin and WOMAC Score in Female Patients with Knee Osteoarthritis. *The Indonesian Biomedical Journal*, 4(2). [https://doi.org/https://doi.org/10.18585/inabj.v4i2.169](https://doi.org/10.18585/inabj.v4i2.169)

Hewlings, S. J., & Kalman, D. S. (2017). Curcumin: A Review of Its Effects on Human Health. *Foods (Basel, Switzerland)*, 6(10).
<https://doi.org/10.3390/foods6100092>

Ho, K. K.-W., Kwok, A. W.-L., Wai-Wang, C., Xia, S. M., Wang, Y. L., & Cheng, J. C.-Y. (2021). A randomized controlled trial on the effect of focal thermal therapy at acupressure points treating osteoarthritis of the knee. *Journal of Orthopaedic Surgery and Research*, 16, 1–11.
<https://doi.org/http://dx.doi.org/10.1186/s13018-021-02398-2>

Horng, H.-C., Kuo, C.-P., Cherng, C.-H., Yeh, C.-C., Wang, T.-C., Liaw, W.-J., Ko, S.-C., & Wong, C.-S. (2013). The effects of collateral meridian therapy for knee osteoarthritis pain management: A pilot study. *Journal of Manipulative and Physiological Therapeutics*, 36(1), 51–56.
<https://doi.org/10.1016/j.jmpt.2012.12.003>

Hunter, D. J. (2023). Osteoarthritis. In *Goldman-Cecil Medicine* (pp. 1737–1741). Elsevier. <https://doi.org/978-0-323-93038-3>

Hussain, S., Mahmood, N., & Rafiq, O. (2015). Relationship between serum concentrations of boron and inflammatory markers, disease duration, and severity of patients with knee osteoarthritis in Sulaimani city. *National Journal of Physiology, Pharmacy and Pharmacology*, 6.
<https://doi.org/10.5455/njPPP.2015.5.0809201576>



- Jäger, R., Lowery, R. P., Calvanese, A. V., Joy, J. M., Purpura, M., & Wilson, J. M. (2014). Comparative absorption of curcumin formulations. *Nutrition Journal*, 13, 11. <https://doi.org/10.1186/1475-2891-13-11>
- Jang, M., Lim, Y.-M., & Park, H. (2019). Effects of auricular acupressure on joint pain, range of motion, and sleep in the elderly with knee osteoarthritis . *Journal of Korean Academy of Community Health Nursing*, 30(1), 79–89. <https://doi.org/10.12799/jkachn.2019.30.1.79>
- Jevsevar, D. S. (2013). Treatment of osteoarthritis of the knee: evidence-based guideline. *JAAOS-Journal of the American Academy of Orthopaedic Surgeons*, 21(9), 571–576.
- Kang, H.-R., Lee, Y.-S., Kim, S.-H., Sung, W.-S., Jung, C.-Y., Cho, H.-S., Lee, S.-D., Kim, K.-H., & Kim, E.-J. (2020). Effectiveness and safety of electrical moxibustion for knee osteoarthritis: A multicenter, randomized, assessor-blinded, parallel-group clinical trial. *Complementary Therapies in Medicine*, 53, 102523. <https://doi.org/10.1016/j.ctim.2020.102523>
- Karsten, S., & et al. (2019). Translation, adaptation, and validation of western ontario and mcmaster universities osteoarthritis index (WOMAC) for indonesian. *The Journal of Indonesian Orthopaedic & Traumatology*, 2(3), 17–26. [https://doi.org/https://doi.org/10.31282/joti.v2n3.48](https://doi.org/10.31282/joti.v2n3.48)
- Karsten, S., Limena, S., & Phandu, M. (2019). Translation, adaptation, and validation of western ontario and mcmaster universities osteoarthritis index (WOMAC) for indonesian. *Jurnal Orthopaedi Dan Traumatologi Indonesia (The Journal of Indonesian Orthopaedic & Traumatology)*, 2(3). <https://doi.org/10.31282/joti.v2n3.48>
- Kertia, N. (2009). *Aktivitas Anti-Inflamasi Kurkuminoid Ekstrak Rimpang Kunyit (Curcuma domestica Val.) Kajian Klinis dan Laboratoris Pengaruhnya terhadap Respon Inflamasi di dalam Cairan Sinovia Sendi Osteoarthritis*. Universitas Gadjah Mada.
- Kertia, N., Asdie, A. H., & Rochmah, W. (2012). Comparison of the effects of curcuminoid from Curcuma domestica Val. rhizome extract and diclofenac sodium on the liver function of patients with osteoarthritis. *Journal of Pharmacognosy and Phytotherapy*, 4(5), 62–65.
- Kou, H., Huang, L., Jin, M., He, Q., Zhang, R., & Ma, J. (2023). Effect of curcumin on rheumatoid arthritis: a systematic review and meta-analysis. *Frontiers in Immunology*, 14, 1121655. <https://doi.org/10.3389/fimmu.2023.1121655>
- Kushariyadi. (2010). *Asuhan Keperawatan Pada Klien Lanjut Usia*. Salemba Medika.
- Leong, M., Smith, T. J., & Rowland-Seymour, A. (2015). Complementary and



Integrative Medicine for Older Adults in Palliative Care. *Clinical Geriatrics Medicine*. <https://doi.org/http://dx.doi.org/10.1016/j.cger.2015.01.004>

Li, L. W., Harris, R. E., Tsodikov, A., Struble, L., & Murphy, S. L. (2018). Self-Acupressure for Older Adults With Symptomatic Knee Osteoarthritis: A Randomized Controlled Trial. *Arthritis Care & Research*, 70(2), 221–229. <https://doi.org/https://doi.org/10.1002/acr.23262>

Lopresti, A. L., Smith, S. J., Jackson-Michel, S., & Fairchild, T. (2022). An Investigation into the Effects of a Curcumin Extract (Curcugen®) on Osteoarthritis Pain of the Knee: A Randomised, Double-Blind, Placebo-Controlled Study. In *Nutrients* (Vol. 14, Issue 1). <https://doi.org/10.3390/nu14010041>

Luo, L., Liao, M., Peng, J.-X., Ma, Q., Zhou, J.-Y., Zhu, L.-L., Wang, X., Chen, S.-S., Yin, H.-Y., Wu, Q.-F., Zhang, C.-S., Lv, P., Tang, Y., & Yu, S.-G. (2019). Comparison of the Efficacy between Conventional Moxibustion and Smoke-Free Moxibustion on Knee Osteoarthritis: A Randomized Controlled Trial. *Evidence-Based Complementary and Alternative Medicine : ECAM*, 2019, 1291947. <https://doi.org/10.1155/2019/1291947>

Mahanani, S., Kertia, N., & Madyaningrum, E. (2024). Combination of Curcuminoids and Acupressure for Inflammation and Pain in Older People with Osteoarthritis Genu: Protocol for a Randomized Controlled Trial. *JMIR Research Protocols*, 13, e54970. <https://doi.org/10.2196/54970>

Mahanani, S., Kertia, N., Madyaningrum, E., & Lismidiati, W. (2023). Acupressure for Pain of Osteoarthritis : A Systematic Review. *Journal Of Nursing Practice*, 7(1), 191–208. <https://doi.org/10.30994/jnp.v7i1.341>

Mahanani, S., Kertia, N., & Madyaningrum, N. (2023). *Effect of Combination of Curcuminoid Standardized Turmeric Extract With Acupressure on Inflammatory Markers, Endorphins and Quality of Life in Elderly People With Osteoarthritis Genu*. Clinical Trial.Gov. <https://clinicaltrials.gov/study/NCT06105840>

Mehta, P., Dhapte, V., Kadam, S., & Dhapte, V. (2017). Contemporary acupressure therapy: Adroit cure for painless recovery of therapeutic ailments. *Journal of Traditional and Complementary Medicine*, 7(2), 251–263. <https://doi.org/10.1016/j.jtcme.2016.06.004>

Nakagawa, Y., Mukai, S., Yamada, S., Murata, S., Yabumoto, H., Maeda, T., & Akamatsu, S. (2020). The Efficacy and Safety of Highly-Bioavailable Curcumin for Treating Knee Osteoarthritis: A 6-Month Open-Labeled Prospective Study. *Clinical Medicine Insights. Arthritis and Musculoskeletal Disorders*, 13, 1179544120948471. <https://doi.org/10.1177/1179544120948471>

Nelson, A. E. (2021). Clinical Features of Osteoarthritis. In *Firestein & Kelley's*



Textbook of Rheumatology (pp. 1789–1802). Elsevier.

Neogi, T., & Felson, D. (2013). Osteoarthritis and Rheumatoid Arthritis. In *Wall & Melzack's Textbook of Pain*. Saunders, an imprint of Elsevier Ltd.

<https://doi.org/10.1016/j.rheum.2013.07.011>

Phatama, K., & et al. (2021). Knee Injury and Osteoarthritis Outcome Score: Validity and Reliability of an Indonesian Version. *Ochsner Journal*, 21, 63–67. <https://doi.org/10.31486/toj.20.0088>

Pinsornsak, P., & Niempoog, S. (2012). The efficacy of Curcuma Longa L. extract as an adjuvant therapy in primary knee osteoarthritis: a randomized control trial. *Journal of the Medical Association of Thailand = Chotmaihet Thangphaet*, 95, S51–58. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84884547635&partnerID=40&md5=efc90d0c0b80318077a5d12f96164bb7>

Plein, L. M., & Rittner, H. L. (2018). Opioids and the immune system - friend or foe. *British Journal of Pharmacology*, 175(14), 2717–2725. <https://doi.org/10.1111/bph.13750>

Pongantung, H., & et al. (2020). Construct Validity Indonesian Version of Barthel Index for Post Stroke. *Indian Journal of Public Health Research & Development*, 11(3), 1996–2000. https://www.researchgate.net/publication/345705861_Construct_Validity_In_donesian_Version_of_Barthel_Index_for_Post_Stroke

Pratiwi, W. R. (2008). *Pengaruh Kurkuminoid Ekstrak Rimpang Kunyit (Curcuma domestica Val.) Dibandingkan Dengan Natrium Diklofenak Pada Penderita Osteoarthritis Lutut (Kajian Kemampuan Menekan Sekresi Interleukin 1 β oleh Monosit Cairan Sendi)*. Universitas Gadjah Mada.

Rani, M., Sharma, L., Advani, U., & Kumar, S. (2020). Acupuncture as an Adjunct to Pharmacological Treatment for Depression, Anxiety, and Stress in Patients with Knee Osteoarthritis. *Journal of Acupuncture and Meridian Studies*, 13(4), 129–135. <https://doi.org/10.1016/j.jams.2020.07.001>

Rani, M., Sharma, L., Advani, U., & Sharma, A. (2021). Adjunctive effects of acupuncture therapy on pain and quality of life in patients with knee osteoarthritis: an interventional study. *Journal of Acupuncture and Tuina Science*, 19(4), 300–306. <https://doi.org/10.1007/s11726-021-1252-x>

Shep, D., Khanwelkar, C., Gade, P., & Karad, S. (2019). Safety and efficacy of curcumin versus diclofenac in knee osteoarthritis: a randomized open-label parallel-arm study. *Trials*, 20(1), 214. <https://doi.org/10.1186/s13063-019-3327-2>

Sorour, A. S., Ayoub, A. S., & Abd El Aziz, E. M. (2014). Effectiveness of acupressure versus isometric exercise on pain, stiffness, and physical



function in knee osteoarthritis female patients. *Journal of Advanced Research*, 5(2), 193–200. <https://doi.org/10.1016/j.jare.2013.02.003>

Srivastava, S., Saksena, A. K., Khattri, S., Kumar, S., & Dagur, R. S. (2016). Curcuma longa extract reduces inflammatory and oxidative stress biomarkers in osteoarthritis of knee: a four-month, double-blind, randomized, placebo-controlled trial. *Inflammopharmacology*, 24(6), 377–388. <https://doi.org/10.1007/s10787-016-0289-9>

Suryani, N. P. G. (2020). *Gambaran Asuhan Keperawatan Pemberian Terapi Akupresur Untuk Mengatasi Nyeri Akut Pada Pasien Hipertensi Di Puskesmas I Denpasar Utara* [Poltekkes Denpasar]. <http://repository.poltekkes-denpasar.ac.id/4396/3/BAB II Tinjauan Pustaka.pdf?cv=1>

Taşoğlu, Ö., Böyük, H., Şahin Onat, Ş., Taşoğlu, İ., & Özgirgin, N. (2016). Is blood neutrophil-lymphocyte ratio an independent predictor of knee osteoarthritis severity? *Clinical Rheumatology*, 35(6), 1579–1583. <https://doi.org/10.1007/s10067-016-3170-8>

Taşoğlu, Ö., Şahin, A., Karataş, G., Koyuncu, E., Taşoğlu, İ., Tecimel, O., & Özgirgin, N. (2017). Blood mean platelet volume and platelet lymphocyte ratio as new predictors of hip osteoarthritis severity. *Medicine*, 96(6), e6073. <https://doi.org/10.1097/MD.0000000000006073>

Vivin, H. (2007). *Pengaruh Kurkuminoid Ekstrak Rimpang Kunyit (Curcuma domestica Val) Dibandingan Dengan Natrium Diklofenak Pada Penderita Osteoarthritis Lutut (Kajian Kemampuan Menekan Sekresi Tumor Necrosis Factor-α Oleh Monosit Cairan Sendi)*. Universitas Gadjah Mada.

Wallis, J. A., Taylor, N. F., Bunzli, S., & Shields, N. (2019). Experience of living with knee osteoarthritis: a systematic review of qualitative studies. *BMJ Open*, 9(9). <https://doi.org/10.1136/bmjopen-2019-030060>

Winangun. (2019). Diagnosis dan Tatalaksana Komprehensif Osteoarthritis. *Jurnal Kedokteran*, 5(1). <https://doi.org/http://dx.doi.org/10.36679/kedokteran.v5i1.140>

Zhang, X., He, B., Wang, H., & Sun, X. (2022). Auricular acupressure for treating early stage of knee osteoarthritis: a randomized, sham-controlled prospective study. *QJM : Monthly Journal of the Association of Physicians*, 115(8), 525–529. <https://doi.org/10.1093/qjmed/hcab230>