

## DAFTAR PUSTAKA

- Abdillah, O.Z. *et al.* (2021) ‘Pengaruh Modalitas Infra Red dan Terapi Latihan Hold Relax Exercise dalam Megurangi Nyeri dan Meningkatkan Kemampuan Fungsional Pasien Tendinitis Bicipitalis’, *Physiotherapy Health Science*, 3(2), pp. 70–73. Available at: <https://doi.org/10.22219/physiohs.v3i2.18934>.
- Adiputra, I.M.S. *et al.* (2021) *Metodologi Penelitian Kesehatan*. Medan: Yayasan Kita Menulis.
- Agustina, D. (2024) ‘Perbandingan Sport Massage dan Sport Injury Massage yang Dikombinasikan Stretching Terhadap ROM dan Nyeri Sendi Bahu’. Yogyakarta: Universitas Negeri Yogyakarta.
- Akhadiany, A. *et al.* (2022) ‘Pengaruh Terapi Manual Terhadap Peningkatan Lingkup Gerak Sendi Pada Frozen Shoulder: Studi Literatur’, *Indonesian Journal of Physiotherapy Research and Education*, 3(1), pp. 1–15. Available at: <https://journal.aplifi.org/index.php/ijopre/article/view/59>.
- Amalia, A.R. (2024) ‘Implementasi Range of Motion (ROM) Untuk Meningkatkan Mobilitas Fisik Pada Pasien Fraktur Ankle Joint Dextra Post Debridement Orif Temporary Dthesis’. Semarang: Universitas Islam Sultan Agung.
- Aprilia, U.D., Wardoyo, S.S.I. and Suharto, B. (2025) ‘Penyuluhan Fisioterapi Komunitas dalam Meningkatkan Pengetahuan Terkait Frozen Shoulder pada Posyandu Lansia UPTD Puskesmas Kendalsari Kota Malang’, *Jurnal Pengabdian Masyarakat Bangsa*, 3(8), pp. 4110–4116. Available at: <https://doi.org/10.59837/jpmmba.v3i8.3216>.

- Arianto, E. and Widodo, B.S. (2022) 'Rancang Bangun Sistem Terapi Infrared Otomatis Untuk Terapi Far-Infrared Pada Spinal Cord', *J-Innovation*, 11(1), pp. 12–16. Available at: <https://doi.org/10.55600/jipa.v11i1.127>.
- Arikunto, S. (2018) *Prosedur Penelitian: Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta.
- Az-Zahra, F., Lufitos, R. and Djawas, F.A. (2023) 'Efektivitas Manual Therapy dan Ultrasound terhadap Peningkatan Fungsi Gerak Bahu pada Kasus Nyeri Bahu Et Causa Bursitis Subacromialis dengan Parameter SPADI di RSUD Muhammad Natsir', *Jurnal Fisioterapi Terapan Indonesia*, 2(1), pp. 1–8. Available at: [https://scholarhub.ui.ac.id/cgi/viewcontent.cgi?params=/context/jfti/article/1048/&path\\_info=JFTI\\_V2I1\\_03\\_1048\\_.pdf](https://scholarhub.ui.ac.id/cgi/viewcontent.cgi?params=/context/jfti/article/1048/&path_info=JFTI_V2I1_03_1048_.pdf).
- Berampu, S.S. (2023) 'Pengaruh Mobilitation with Movement dan Basic Exercise Therapy Terhadap Peningkatan Fungsional Gerak Shoulder Joint Pada Penderita Capsulitis Adhesiva', *Jurnal Ilmiah Kedokteran dan Kesehatan*, 2(1), pp. 141–151. Available at: <https://doi.org/10.55606/klinik.v2i1.1194>.
- Carmignano, S.M. (2022) 'Frozen Shoulder: Symptoms, Causes, Diagnosis, and Treatment', in D.D. Nikolopoulos and G.K. Safos (eds) *Shoulder Surgery for RC Pathology, Arthropathy and Tumors*. London: IntechOpen. Available at: <https://doi.org/10.5772/intechopen.102117>.
- Challoumas, D. *et al.* (2020) 'Comparison of Treatments for Frozen Shoulder: A Systematic Review and Meta-Analysis', *JAMA Network Open*, 3(12), pp. e2029581–e2029581. Available at: <https://doi.org/10.1001/jamanetworkopen.2020.29581>.

Chang, H.-H. *et al.* (2025) ‘Concomitant Rotator Cuff Tear with Frozen Shoulder: A Contemplation on the Necessity and Legitimacy of Magnetic Resonance Imaging Stratified by Age’, *Clinics in Orthopedic Surgery*, 17(3), pp. 453–459. Available at: <https://doi.org/10.4055/cios24240>.

Chow, S.-C. *et al.* (2021) *Sample Size Calculations In Clinical Research*. 4th edn. Boca Raton: CRC Press.

Cipta, Y.Y. and Prasetyo, E.B. (2020) ‘Penatalaksanaan Fisioterapi Pada Kasus Tendinitis Supraspinatus Sinistra Dengan Modalitas Ultrasound, Transcutaneous Electrical Nerve Stimulation (Tens) Dan Terapi Latihan Di Rsud Kraton Kabupaten Pekalongan’, *Jurnal PENA*, 34(1), pp. 61–68. Available at: <https://doi.org/10.31941/jurnalpena.v34i1.1000>.

Creswell, J.W. and Creswell, J.D. (2018) *Research Design Qualitative, Quantitative, and Mixed Methods Approaches*. Los Angeles: Sage Publications CA.

Dahlan, M.S. (2022) *Besar Sampel dan Cara Pengambilan Sampel dalam Penelitian Kedokteran dan Kesehatan*. Jakarta: Salemba Medika.

Dailey, D.L. *et al.* (2020) ‘Transcutaneous Electrical Nerve Stimulation Reduces Movement-Evoked Pain and Fatigue: A Randomized, Controlled Trial’, *Arthritis & Rheumatology (Hoboken, N.J.)*, 72(5), pp. 824–836. Available at: <https://doi.org/10.1002/art.41170>.

Date, A. and Rahman, L. (2020) ‘Frozen Shoulder: Overview of Clinical Presentation and Review of the Current Evidence Base for Management

Strategies', *Future Science OA*, 6(10), p. FSO647. Available at: <https://doi.org/10.2144/fsoa-2020-0145>.

Dwinagara, A.K. (2021) 'Perbandingan Kinesio Taping dan Stretching Exercise Terhadap Penurunan Nyeri Iliotibial Band Syndrome Pada Pelari'. Makassar: Universitas Hasanuddin.

Dyer, B.P. (2022) 'Investigating The Relationship Between Diabetes and Frozen Shoulder: Longitudinal Analysis of Primary Care Medical Records'. New Castle: Keele University.

Erawan, T. and Arpandjam'an (2020) 'Media Fisioterapi Politeknik Kesehatan Makassar', *Media Fisioterapi Politeknik Kesehatan Makassar*, 12(1), pp. 1–10. Available at: <https://doi.org/10.32382/MF.V11I1.822>.

Fadlilah, N. *et al.* (2022) 'Perbedaan Efektifitas Terapi Ultrasound Diathermy (USD) dengan Low-Level Laser Therapy (LLLT) Terhadap Pengurangan Nyeri Pada Frozen Shoulder', *Jurnal Keperawatan Muhammadiyah*, 7(1), pp. 46–49. Available at: <https://doi.org/10.30651/jkm.v7i1.10979>.

Fahmayanti, N.D. (2024) 'Penatalaksanaan Fisioterapi Pada Tendinitis Supraspinatus Sinistra dengan Ultrasound, Transcutaneous Electrical Nerve Stimulation dan Eccentric Stretching', *Jurnal Ilmiah Fisioterapi Muhammadiyah*, 3(2), pp. 43–56. Available at: <https://doi.org/10.30651/jar.v3i2.22896>.

Febrianto, B., Khairunnisa, N.N.P.R. and Alpiah, D.N. (2024) 'Efektivitas Infrared Pada Penderita Frozen Shoulder: Literature Review', *Termometer: Jurnal*

*Ilmiah Ilmu Kesehatan dan Kedokteran*, 2(1), pp. 217–222. Available at: <https://doi.org/10.55606/termometer.v2i1.2845>.

Fitriyana, I. *et al.* (2022) ‘Tatalaksana Frozen Shoulder’, *Medical Profession Journal of Lampung*, 12(1), pp. 55–60. Available at: <https://doi.org/10.53089/medula.v12i1.326>.

García-López, H. *et al.* (2024) ‘Effectiveness of Transcutaneous Electrical Nerve Stimulation Improves Pain Intensity, Disability and Quality of Life in Patients With Fibromyalgia Syndrome: A Systematic Review With Meta-Analysis’, *Disability and Rehabilitation*, 46(26), pp. 6323–6333. Available at: <https://doi.org/10.1080/09638288.2024.2331069>.

Geraldine, P.F., Lampah, C. and Gessal, J. (2025) ‘Gambaran Kasus Nyeri Bahu pada Pasien di Instalasi Rehabilitasi Medik RSUP Prof. Dr. RD Kandou Manado Periode Tahun 2020-2022’, *e-CliniC*, 13(1), pp. 113–120. Available at: <https://doi.org/10.35790/ecl.v13i1.60774>.

Goo, B. *et al.* (2023) ‘Efficacy, Safety and Cost-Effectiveness of Thread-Embedding Acupuncture for Adhesive Capsulitis (Frozen Shoulder): A Study Protocol for A Multicenter, Randomized, Patient-Assessor Blinded, Controlled Trial’, *Journal of Pain Research*, 16(1), pp. 623–633. Available at: <https://doi.org/10.2147/JPR.S396264>.

Haryoko, I. and Bustam, I.G. (2023) ‘Efektifitas Intervensi Fisioterapi Wall Stretch dan Cross Friction Pada Kondisi Fasciitis Plantaris’, *Jurnal Aisyiyah Medika*, 8(2), pp. 293–301. Available at: <https://doi.org/10.36729/jam.v8i2.1111>.

- Hasesa, F. (2022) 'Penatalaksanaan Fisioterapi Pada Hernia Nucleus Pulposus dengan Infra Red, Transcutaneous Electrical Nerve Stimulation, dan Mckenzie Exercise'. Semarang: Universitas Widya Husada Semarang.
- Hassan, H.I. *et al.* (2024) 'Comparative Effectiveness of Low-Level Laser Therapy Versus Muscle Energy Technique Among Diabetic Patients with Frozen Shoulder: A Study Protocol for A Parallel Group Randomised Controlled Trial', *Journal of Orthopaedic Surgery and Research*, 19(1), p. 272. Available at: <https://doi.org/10.1186/s13018-024-04735-7>.
- Hawker, G.A. (2017) 'The Assessment of Musculoskeletal Pain', *Clin Exp Rheumatol*, 35(Suppl 107), pp. 8–12. Available at: <https://www.clinexprheumatol.org/article.asp?a=12202>.
- Herlambang, A.F., Widodo, A. and Kingkinnarti, K. (2023) 'Management Fisioterapi Pada Penanganan Frozen Shoulder Sinistra Dengan Menggunakan Terapi Manipulasi Dan Mobilisasi Scapula Di RSUD Dr. Hardjono Ponorogo', *Journal of Innovation Research and Knowledge*, 3(3), pp. 475–480. Available at: <https://doi.org/10.53625/jirk.v3i3.5966>.
- Hidayat, T. *et al.* (2022) 'Filling In Informed Consent in The C-Section Operations Section of Subang Regional General Hospital', *International journal of health sciences*, 6(3), pp. 1511–1519. Available at: <https://doi.org/10.53730/ijhs.v6n3.13144>.
- Hulley, S.B. *et al.* (2023) *Designing Clinical Research*. 5th edn. Philadelphia: Wolters Kluwer Health.

Iddatuzzahni, R.I. (2022) 'Physiotherapy Management On Frozen Shoulder Etcausa Capsulitis Adhesiva Dextra With Auto Stretching And Muscle Energy Technique Modality', *Jurnal Kajian Ilmiah Kesehatan dan Teknologi*, 4(1), pp. 14–20. Available at: <https://doi.org/10.52674/jkikt.v4i1.57>.

Inayah, N. (2022) 'Analisa Stretching, Strengthening Exercise Pada Frozen Shoulder Untuk Meningkatkan Range of Motion dan Aktivitas Fungsional (Literature Review)'. Jakarta: Universitas Binawan.

Inayah, N. (2023) 'Analisis Stretching Dan Strengthening Exercise Pada Frozen Shoulder Untuk Meningkatkan Range of Motion dan Aktivitas Fungsional: Kajian Pustaka', *Binawan Student Journal*, 5(1), pp. 17–27. Available at: <https://journal.binawan.ac.id/bsj/article/view/635>.

Infurna, F.J. *et al.* (2021) 'Historical Change in Midlife Health, Well-Being, and Despair: Cross-Cultural and Socioeconomic Comparisons', *American Psychologist*, 76(6), pp. 870–887. Available at: <https://psycnet.apa.org/buy/2022-13889-004>.

Jamal, F. (2022) 'Penilaian dan Modalitas Tatalaksana Nyeri', *Jurnal Kedokteran Nanggroe Medika*, 5(3), pp. 66–73. Available at: <https://doi.org/10.35324/jknamed.v5i3.211>.

Khumairoh, S., Fatmarizka, T. and Hidayati, A. (2022) 'Manajemen Fisioterapi Pada Kasus Frozen Shoulder: A Case Report', *Jurnal Kesehatan Dan Fisioterapi*, 1(1), pp. 21–25. Available at: <https://ejournal.insightpower.org/index.php/KeFis/article/download/113/84>.

- Kingston, K. *et al.* (2018) 'Shoulder Adhesive Capsulitis: Epidemiology and Predictors of Surgery', *Journal of Shoulder and Elbow Surgery*, 27(8), pp. 1437–1443. Available at: <https://doi.org/10.1016/j.jse.2018.04.004>.
- Komarudin, Z. *et al.* (2024) 'Pengaruh Kombinasi Sport Massage dan Sinar Infrared terhadap Peningkatan Range Of Motion (Rom) Atlet Cidera Frozen Shoulder', *Gelanggang Olahraga: Jurnal Pendidikan Jasmani dan Olahraga (JPJO)*, 8(1), pp. 93–103. Available at: <https://journal.ipm2kpe.or.id/index.php/JPJO/article/view/10027/8109>.
- Kumar, R. *et al.* (2018) 'An Observational Study To Compare The Outcome of Local Steroid Injections and Ultrasonic Wave Therapy In Frozen Shoulder Patients', *International Journal of Orthopaedics Sciences*, 4(1), pp. 98–101. Available at: <https://www.researchgate.net/profile/Nitin-Bansal-14/publication/322749308>.
- Kurniawan, A.W. and Puspitaningtyas, Z. (2016) *Metode Penelitian Kuantitatif*. Yogyakarta: Pandiva Buku.
- Kurniawan, R.M. *et al.* (2025) 'Pengaruh Regimen Kombinasi Transcutaneous Electrical Nerve Stimulation (TENS) dan Infra Red Radiation (IRR) dengan Exercise Therapy Terhadap Nyeri dan Fungsional Lutut Pada Petani Penderita Osteoarthritis', *Holistik Jurnal Kesehatan*, 19(7), pp. 2084–2091. Available at: <https://doi.org/10.33024/hjk.v19i7.1344>.
- Kusuma, D.P., Zainiyah, N. and Yulianti, A. (2025) 'Penatalaksanaan Fisioterapi Pada Lansia dengan Kasus Frozen Shoulder di Dusun Lowoksari Desa Ngenep Kecamatan Karangploso', *Jurnal Pengabdian Mandiri*, 4(4), pp. 429–436. Available at: <https://doi.org/10.53625/jpm.v4i4.10147>.

- Kutty, S. *et al.* (2021) 'Contrast-Enhanced Ultrasound in Pediatric Echocardiography', *Pediatric Radiology*, 51(12), pp. 2408–2417. Available at: <https://doi.org/10.1007/s00247-021-05119-3>.
- Labibah, D.I., Muhaji, S.K. and Puspito, H. (2022) 'Efektivitas Instrumen Numeric Rating Scale dan Visual Analog Scale Pada Pasien Post Operasi Sectio Caesarea: Literature Review'. Yogyakarta: Universitas' Aisyiyah Yogyakarta.
- Lakens, D. (2022) 'Sample Size Justification', *Collabra: psychology*, 8(1), p. 33267. Available at: <https://doi.org/10.1525/collabra.33267>.
- Lee, J.-H. *et al.* (2024) 'Pharmacopuncture for the Treatment of Frozen Shoulder: A Systematic Review and Meta-Analysis of Randomized Controlled Trials', *Current Pain and Headache Reports*, 28(12), pp. 1365–1386. Available at: <https://doi.org/10.1007/s11916-024-01298-4>.
- Lewis, J., Lowton-Smith, S. and North, R. (2024) 'Management of Shoulder Injuries', in *Routledge Handbook of Sports and Exercise Therapy*. New York: Routledge, pp. 875–930.
- Luklukaningsih, Z. (2020) 'Pengaruh Infra Red dengan Massage Fisioterapi terhadap Tingkat Stres Mahasiswa yang Sedang Mengerjakan Tugas Akhir', *Medika Respati: Jurnal Ilmiah Kesehatan*, 15(3), pp. 167–176. Available at: <https://doi.org/10.35842/mr.v15i3.284>.
- Millar, N.L. *et al.* (2022) 'Frozen Shoulder (Primer)', *Nature Reviews. Disease Primers*, 8(1), pp. 1–12. Available at: <https://doi.org/10.1038/s41572-022->

00386-2.

Multathof, A.R., Subroto, W. and Setyawati, D. (2023) 'Aplikasi Ultrasound Therapy dan Passive Exercise Pada Kondisi Frozen Shoulder'. Cilacap: Universitas Al-Irsyad Cilacap.

Nesi, R.A.S. *et al.* (2024) 'Penatalaksanaan Fisioterapi Kasus Tenosynovitis Bicipitalis dengan Ultrasound, Eccentric dan Isometric Exercise di Rumah Sakit Hermina Bekasi', *Indonesian Journal of Health Science*, 4(3), pp. 233–245. Available at: <https://pdfs.semanticscholar.org/e8f0/73089f3f8a7550a7292172ff7c4c372cdead.pdf>.

Norkin, C.C. and White, D.J. (2016) *Measurement of Joint Motion: A Guide To Goniometry*. Philadelphia: F.A. Davis.



Nugraha, D.A., Rahmawati, R.A. and Jannah, M. (2021) 'Efektivitas Ultrasound Therapy dan Active Passive Exercise Pada Pasien Post Fracture Elbow dalam Mengurangi Nyeri dan Menambah Lingkup Gerak Sendi', *Physiotherapy Health Science (PhysioHS)*, 3(1), pp. 22–25. Available at: <https://doi.org/10.22219/physiohs.v3i1.17158>.

Nugraha, I.M.B.O., Rahmawati, N.A. and Lisna, L. (2024) 'Penyuluhan Fisioterapi Komunitas tentang Frozen Shoulder Kepada Lansia di Pustu Kelurahan Buring, Kedungkandang', *Masyarakat Mandiri: Jurnal Pengabdian dan Pembangunan Lokal*, 1(4), pp. 54–59. Available at: <https://doi.org/10.62951/masyarakatmandiri.v1i4.720>.

Nugraha, M.H.S. *et al.* (2022) 'Pemeriksaan Disabilitas, Sosialisasi Postur Kerja, Pelatihan Peregangan Aktif, Serta Pelayanan Kesehatan Fisioterapi dalam Menangani Nyeri Punggung Bawah', *Jurnal Pengabdian Masyarakat Sasambo*, 4(1), pp. 26–32. Available at: <https://doi.org/10.32807/jpms.v4i1.935>.

Nursalam (2020) *Metodologi Penelitian Ilmu Keperawatan: Pendekatan Praktis*. 4th edn. Jakarta: Salemba Medika.

Pandjukang, A.P., Damanik, E.M.B. and Hutasoit, R. (2020) 'Hubungan Usia Dan Jenis Kelamin Pada Penderita Nyeri Punggung Bawah (Low Back Pain) Dengan Komorbid Diabetes Melitus Di RSUD Prof. Dr. WZ Johannes Kupang Tahun 2018', *Cendana Medical Journal*, 8(2), pp. 9–15. Available at: <https://doi.org/10.35508/cmj.v8i2.3332>.

Pascoal, A.G., Ribeiro, A. and Infante, J. (2023) 'Scapular Resting Posture and Scapulohumeral Rhythm Adaptations in Volleyball Players: Implications for Clinical Shoulder Assessment in Athletes', *Sports*, p. 114. Available at: <https://doi.org/10.3390/sports11060114>.

Pittara (2023) *Frozen Shoulder*. Available at: <https://www.alodokter.com/frozen-shoulder> (Accessed: 4 February 2026).

Polit, D.F. and Beck, C.T. (2021) *Nursing Research: Generating and Assessing Evidence for Nursing Practice*. Philadelphia: Lippincott Williams & Wilkins.

Portney, L.G. (2020) *Foundations of Clinical Research: Applications to Evidence-based Practice*. Philadelphia: F.A. Davis.

Potter, A. and Perry, A.G. (2015) *Buku Ajar Fundamental Keperawatan: Konsep, Proses, dan Praktik*. 4th edn. Jakarta: EGC Kedokteran.

Pradita, A. (2022) 'Perbandingan Pengaruh Myofascial Release Technique dan Muscle Energy Technique Terhadap Penurunan Distribusi Nyeri Pada Kasus Low Back Pain Spasme Otot di RSUD. HM Anwar Makkatutu Kabupaten Bantaeng'. Makassar: Universitas Hasanuddin.

Pratama, A.D. and Furqonah, A.A. (2021) 'Efektivitas Balance Exercise dan Gait Training dalam Meningkatkan Keseimbangan dan Kecepatan Berjalan Pada Kasus Stroke Iskemik', *Indonesian Journal of Physiotherapy*, 1(2), pp. 35–40. Available at: <https://doi.org/10.52019/ijpt.v1i2.3015>.

Priyanto, A. and Perdana, S.S. (2023) *Biomekanik Klinis*. Surakarta: Muhammadiyah University Press.

Purnomo, E. (2019) *Anatomi Fungsional*. Yogyakarta: Lintang Pustaka Utama.

Purwasih, Y. *et al.* (2020) 'Penatalaksanaan Transcutaneous Electrical Nerve Stimulation (TENS) pada Low Back Pain Myogenic Management of Transcutaneous Electrical Nerve Stimulation (TENS) in Myogenic Low Back Pain', *JURNAL PIKES Penelitian Ilmu Kesehatan Vol*, 1(1), pp. 16–21. Available at: <https://ojs.pikes.iik.ac.id/index.php/jpikes/article/view/6>.

Putri, A.R. and Wulandari, I.D. (2018) 'Penatalaksanaan Fisioterapi Kondisi Frozen Shoulder ec Tendinitis Muscle Rotator Cuff dengan Modalitas Short Wave Diathermy, Active Resisted Exercise dan Codman Pendular Exercise', *jurnal*

*PENA*, 32(2), pp. 1–15. Available at: <https://core.ac.uk/download/pdf/233938978.pdf>.

Qamar, A. *et al.* (2022) ‘Effects Of High Intensity Aerobics and Pelvic Clock Exercises in Primary Dysmenorrhea: High Intensity Aerobics and Pelvic Clock Exercises in Primary Dysmenorrhea’, *Pakistan BioMedical Journal*, 5(7), pp. 269–273. Available at: <https://doi.org/10.54393/pbmj.v5i7.611>.

Rahmawati, M. and Zartika, M. (2024) ‘Penatalaksanaan Fisioterapi Pada Kasus Frozen Shoulder Dekstra Et Causa Adhesive Capsulitis dengan Modalitas Short Wave Diathermy dan Manual Therapy Di RS Hermina Arcamanik’, *Journal of Phisioteraphy Student (JPhiS)*, 1(2), pp. 117–122. Available at: <https://journal.piksi.ac.id/index.php/jphis/article/view/881>.

Ramirez, J. (2019) ‘Adhesive Capsulitis: Diagnosis and Management’, *American Family Physician*, 99(5), pp. 297–300. Available at: <https://www.aafp.org/pubs/afp/issues/2019/0301/p297.html>.

Rif’ah, R. (2022) ‘Penatalaksanaan Fisioterapi pada Kasus Frozen Shoulder dengan Metode Proprioceptive Neuromuscular Facilitation (PNF) dan Breating Exercise’. Madura: Stikes Ngudia Husada Madura.

Rini, H.S. and Triastuti, N.J. (2020) ‘Hubungan Jenis Kelamin, Lama Duduk, Konsumsi Air Putih dan Olahraga dengan Kejadian Lbp Pada Penjahit Konveksi’, in *Proceeding Book Call for Paper Thalamus: Medical Research For Better Health*, pp. 178–190. Available at: <https://jurnalmka.fk.unand.ac.id/index.php/art/article/view/109>.

- Rizki, M.M. and Saftarina, F. (2020) 'Tatalaksana Medikamentosa pada Low Back Pain Kronis', *Jurnal Majority*, 9(1), pp. 62–68. Available at: <https://juke.kedokteran.unila.ac.id/index.php/majority/login>.
- Royani, N., Wardhani, R.R. and Putro, P.D. (2021) 'Pengaruh Pendular Codman Exercise Terhadap Peningkatan Lingkup Gerak Sendi Shoulder Pada Frozen Shoulder: Narative Review'. Yogyakarta: Universitas 'Aisyiyah Yogyakarta.
- Runtuwene, K. and Mamuja, F. (2025) 'Penatalaksanaan Fisioterapi Pada Frozen Shoulder Et Causa Capsulitis Adhesiva Untuk Meningkatkan Kemampuan Fungsional', *Lasalle Health Journal*, 4(2), pp. 78–85. Available at: <https://journal.unikadelasalle.ac.id/index.php/lhj/article/view/157>.
- Ryan, V. *et al.* (2016) 'The Pathophysiology Associated With Primary (Idiopathic) Frozen Shoulder: A Systematic Review', *BMC musculoskeletal disorders*, 17(1), p. 340. Available at: <https://doi.org/10.1186/s12891-016-1190-9>.
- Sabrina, D. *et al.* (2024) 'Perbedaan Pengaruh Manual Therapy dengan Strengthening Exercise Terhadap Peningkatan Kemampuan Fungsional Individu Pada Frozen Shoulder: Systematic Review', *Indonesian Journal of Health Research Innovation*, 1(4), pp. 175–186. Available at: <https://doi.org/10.64094/qd64cm18>.
- Safei, I. (2019) 'Shoulder Hand Syndrome', *Umi Medical Journal*, 4(1), pp. 154–170. Available at: <https://doi.org/10.33096/umj.v4i1.60>.
- Sakinah, L.Z. and Ismanda, S.N. (2021) 'Penatalaksanaan Fisioterapi Pada Tendinitis

Supraspinatus Dekstra dengan Modalitas Ultrasound dan Terapi Latihan’, *Jurnal Kesehatan Tambusai*, 2(4), pp. 97–104. Available at: <https://doi.org/10.31004/JKT.V2I4.2731>.

Salim, A.T., Saputra, A.W. and Hermina, P.K. (2021) ‘Efektivitas Penggunaan Intervensi Fisioterapi Terapi Latihan dan Infrared Pada Kasus Dislokasi Sendi Bahu’, *Indonesian Journal of Health Science*, 1(1), pp. 20–30. Available at: <https://doi.org/10.54957/IJHS.V1I1.49>.

Sania, Z.A.P., Lubis, Z.I. and Ertitri, F. (2025) ‘Penyuluhan Fisioterapi Komunitas dalam Penerapan Program Fisioterapi sebagai Upaya Pencegahan Frozen Shoulder pada pekerja Industri Arjosari Shuttlecock di Arjosari’, *Masyarakat Mandiri: Jurnal Pengabdian dan Pembangunan Lokal*, 2(4), pp. 106–115. Available at: <https://pkm.lpkd.or.id/index.php/MasyarakatMandiri/article/view/2279>.

Saputra, I.A., Rizqi, A. solichati and Putra, Y.W. (2024) ‘Penatalaksanaan Fisioterapi Pada Kasus Frozen Shoulder dengan Modalitas Infra Red Transcutaneous Electrical Nerve Stimulation dan Terapi Latihan’, *Jurnal Kesehatan Tembusai*, 5(2), pp. 3492–3450. Available at: <https://doi.org/10.31004/jkt.v5i2.28168>.

Sari, D. and Purba, J.R. (2023) ‘Pengaruh Pemberian Transcutaneous Electrical Nerve Stimulation dengan Terapi Latihan Terhadap Pengurangan Nyeri Serta Peningkatan Lingkup Gerak Sendi Pada Penderita Capsulitis Adhesive di Rumah Sakit Umum Mitra Medika Tanjung Mulia Medan’, *Indonesian Trust Nursing Journal*, 1(3), pp. 109–114. Available at: <https://doi.org/10.37104/itnj.v1i3.183>.

Selviani, I. *et al.* (2023) 'The Effectiveness of Codman Pendulum Exercise and Scapular Mobilization to Reduce Pain in Frozen Shoulder Conditions', *Halaman Olahraga Nusantara: Jurnal Ilmu Keolahragaan*, 6(2), pp. 554–560. Available at: <https://doi.org/10.31851/hon.v6i2.11759>.

Siagian, E. and Angeline, D.L. (2019) 'In House Training Pada Perawat PK I-PK IV Terhadap Pengetahuan Tentang Manajemen Nyeri', *Klabat Journal of Nursing*, 1(2), pp. 19–26. Available at: <https://core.ac.uk/download/pdf/322460555.pdf>.

Soemarjono, A. (2015) *R Heating Therapy*. Available at: <https://flexfreeclinic.com> (Accessed: 4 February 2026).

Sofia, A.S. and Triyanita, M. (2025) 'Physiotherapy Management of Right Frozen Shoulder: A Case Report', *Majalah Ilmiah Fisioterapi Indonesia*, 13(3), pp. 567–574. Available at: <https://doi.org/10.24843/mifi.000000376>.

Sudaryanto *et al.* (2025) 'Penatalaksanaan Fisioterapi Pada Gangguan Fungsional Shoulder Akibat Frozen Shoulder di Rs Bhayangkara Kota Makassar: Physiotherapy Management of Functional Shoulder Disorders Due to Frozen Shoulder at Bhayangkara Hospital Makassar City', *Media Fisioterapi Politeknik Kesehatan Makassar*, 17(2), pp. 90–97. Available at: <https://ojs3.poltekkes-mks.ac.id/index.php/medfisio/article/view/1964>.

Sudaryanto, S. and Hermiati, H. (2020) 'Efek Penambahan Mobilisasi Scapula Pada Mobilisasi End-Range Terhadap Penderita Frozen Shoulder di Rumah Sakit Tadjuddin Chalid Makassar', *Media Kesehatan Politeknik Kesehatan Makassar*, 15(2), pp. 174–187. Available at: <https://doi.org/10.32382/medkes.v15i2.1800>.

Sugiyono (2023) *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung: CV. Alfabeta.

Suharti, A., Sunandi, R. and Abdullah, F. (2018) 'Penatalaksanaan Fisioterapi pada Frozen Shoulder Sinistra Terkait Hiperintensitas Labrum Posterior Superior di Rumah Sakit Pusat Angkatan Darat Gatot Soebroto', *Jurnal Vokasi Indonesia*, 6(1), pp. 51–65. Available at: <https://doi.org/10.7454/jvi.v6i1.116>.

Suharyadi, T. and Ismanda, S.N. (2021) 'Penatalaksanaan Fisioterapi Pada Frouzen Shoulder Dekstra dengan Modalitas Ultrasound Serta Terapi Latihan', *Jurnal Kesehatan Tambusai*, 2(4), pp. 111–118. Available at: <https://doi.org/10.31004/jkt.v2i4.2759>.

Suhendro, A.P. (2023) 'Diagnosis dan Tata Laksana Capsulitis Adhesiva', *Cermin Dunia Kedokteran*, 50(5), pp. 255–258. Available at: <https://doi.org/10.55175/cdk.v50i5.887>.

Sun, Y. *et al.* (2021) 'The Serum from Patients with Secondary Frozen Shoulder Following Rotator Cuff Repair Induces Shoulder Capsule Fibrosis and Promotes Macrophage Polarization and Fibroblast Activation', *Journal of Inflammation Research*, 14(1), pp. 1055–1068. Available at: <https://doi.org/10.2147/JIR.S304555>.

Tambing, G. *et al.* (2025) 'Modified Wall-Stretching Exercises: A Practical Strategy To Promote an Immediate Effect of Shoulder Flexibility', *Journal of Associated Medical Sciences*, 58(2), pp. 179–185. Available at: <https://doi.org/10.12982/JAMS.2025.051>.

Tatulus, Y.H. and Pombu, N.M. (2023) 'Penatalaksanaan Fisioterapi dengan Modalitas Microwave Diathermy dan Codman Pendulum Exercise Pada Frozen Shoulder', *Lasalle Health Journal*, 2(1), pp. 21–29. Available at: <https://journal.unikadelasalle.ac.id/index.php/lhj/article/view/84>.

Ulfah, Y.F. *et al.* (2022) *Metode Penelitian Kualitatif*. Sukoharjo: Tahta Media Group.

Veena, S. *et al.* (2015) 'Effect of Combining Scapular Stabilization Techniques With Conventional Physiotherapy In Improving Range of Motion and Functional Ability In Subjects With Phase Ii Adhesive Capsulitis of The Shoulder Joint', *International Journal of Physiotherapy and Occupational Therapy*, 1(1), pp. 25–34. Available at: <https://www.researchgate.net/publication/295605972>.

Vitani, R.A.I. (2019) 'Tinjauan Literatur: Alat Ukur Nyeri Untuk Pasien Dewasa Literature Review: Pain Assessment Tool To Adults Patients', *Jurnal Manajemen Asuhan Keperawatan*, 3(1), pp. 1–7. Available at: <https://doi.org/10.33655/mak.v3i1.51>.

Wardani, A.B. and Wintoko, R. (2021) 'Frozen Shoulder', *Medical Profession Journal of Lampung*, 11(2), pp. 240–246. Available at: <https://doi.org/10.53089/medula.v11i2.297>.

Wicaksono, S.A., Santoso, T.B. and Gemilang, G. (2025) 'Penatalaksanaan Fisioterapi pada Kasus Frozen Shoulder Sinistra dengan Modalitas Ultrasound, TENS, Terapi Latihan dan Muscle Release', *Quantum Wellness: Jurnal Ilmu Kesehatan*, 2(2), pp. 233–238. Available at:

<https://doi.org/10.62383/quwell.v2i2.1944>.

Widaningrum, R. *et al.* (2021) 'Perbedaan Pengaruh Pemberian SWD Dan Mobilisasi Sendi Terhadap Peningkatan Kemampuan Fungsional Bahu', *Jurnal Keperawatan Muhammadiyah*, 6(4), pp. 163–168. Available at: <https://doi.org/10.30651/jkm.v6i4.10304>.

Willmore, E. *et al.* (2021) 'What Is The Optimum Rehabilitation for Patients Who Have Undergone Release Procedures for Frozen Shoulder? A UK Survey', *Musculoskeletal Science and Practice*, 52, p. 102319. Available at: <https://doi.org/10.1016/j.msksp.2021.102319>.

Wong, C.K. *et al.* (2017) 'Natural History of Frozen Shoulder: Fact or Fiction? A Systematic Review', *Physiotherapy*, 103(1), pp. 40–47. Available at: <https://doi.org/10.1016/j.physio.2016.05.009>.

Yuniati, S.P. (2021) 'Penatalaksanaan Fisioterapi Pada Kasus Frozen Shoulder Sinistra Dengan Modalitas Infra Red (IR), Transcutaneous Electrical Nerve Stimulation (TENS), Dan Terapi Latihan Di Rsud Ibnu Sina Kabupaten Gresik'. Gresik: Universitas Muhammadiyah Gresik.

Zaimsyah, F.R. (2020) 'Perbedaan Pengaruh Stretching Dengan Terapi Manipulasi Terhadap Peningkatan Aktivitas Fungsional Bahu Pada Penderita Frozen Shoulder', *Jurnal Ilmiah Fisioterapi*, 3(2), pp. 30–37. Available at: <https://core.ac.uk/download/pdf/354402820.pdf>.

Zhuang, Y., Dong, Y. and Li, L. (2025) 'Ultrasound Diagnosis and Treatment

Challenges for Frozen Shoulder in Patients with Diabetes and Postoperative Adhesions: Narrative Review’, *SN Comprehensive Clinical Medicine*, 7(1), p. 353. Available at: <https://doi.org/10.1007/s42399-025-02130-9>.

Zreik, N.H., Malik, R.A. and Charalambous, C.P. (2016) ‘Adhesive Capsulitis of The Shoulder and Diabetes: A Meta-Analysis of Prevalence’, *Muscles, ligaments and tendons journal*, 6(1), pp. 26–34. Available at: <https://doi.org/10.11138/mltj/2016.6.1.026>.

