

DAFTAR PUSTAKA

- [1] T. Takarada, T. Asada, Y. Sumi, And Y. Higuchi, “Noncontact Monitoring Of Respiration By Dynamic Air-Pressure Sensor,” *Anesth. Prog.*, Vol. 62, No.3, Pp. 100– 105, 2015, Doi: 10.2344/12-00020.1.
- [2] K. Ben Mansour Et Al., “Monitoring Of Various Breathing Rate With An Accelerometer To Cite This Version : Hal Id : Hal-03501205 Monitoringofvarious Breathing Rate With An Accelerometer,” 2021.
- [3] B. Srikanth, P. Divya, P. Nandini, And S. Sabira, “Epra Internationaljournal Of Research And Development (Ijrd) Patient Health Monitoring Using Arduino Through Iot Epra Internationaljournal Of Research And Development (Ijrd),” Vol. 7838, No. May, Pp. 619–633, 2020.
- [4] G. National And H. Pillars, “Arduino Mega,” Vol. 2560
- [5] Putri, A.R. And Wulandari, I.D. (2018) ‘Penatalaksanaan Fisioterapi Kondisi Frozen Shoulder E.C Tendinitis Muscle Rotator Cuff Dengan Modalitas Short Wave Diathermy, Active Resisted Exercise Dan Codman Pendular Exercise’, *Pena Jurnal Ilmu Pengetahuan Danteknologi*,32(2), P. 38. Available At:<https://doi.org/10.31941/jurnalpena.v32i2.805>.
- [6] Aulia, A.R. (2022) ‘Penatalaksanaan Fisioterapi Pada Kasus Frozen Shoulder Et Causa Adhesive Capsulitisdengan Modalitas Transcutaneous Electrical Nerve Stimulation, Codman Pendulum Exercise Dan Shoulder Wheel Exercise Di Rskk Kabupaten Bandung’, *Jphis (Journal Of Phisioteraphy Student)*, 1(1).
- [7] Cunningham, G. Et Al. (2020) ‘Shoulder Motion Analysis During Codman Pendulum Exercises’, *Arthroscopy, Sports Medicine, Andrehabilitation*, 2(4), Pp. E333–E339. Available At: <https://doi.org/10.1016/j.asmr.2020.04.013>.

- [8] Suharyadi, T. And Ismanda, S.N. (2021) ‘Penatalaksanaan Fisioterapi Pada Frouzen Shoulder Dekstra Denganmodalitas Ultrasound Serta Terapi Latihan’, Jurnal Kesehatan Tambusai, 2(4), Pp. 111–118.: Available At <https://doi.org/10.31004/jkt.v2i4.2759>.
- [9] Krisnawati, D. And Anggiat, L. (2021) ‘Terapi Latihan Pada Kondisi Stroke: Kajian Literatur’, Jurnal Fisioterapi TerapanIndonesia, 1(1).
- [10] Perancangan Elektrik Shoulder Wheel Exercise Sebagai Terapi Lingkup Gerak Sendi Pasif Ar Al Hariz
- 2024 - Etd.Umy.Ac.Id
- [11] Erlita, (2023) “Shoulder Wheel Therapy Tool Prototypeequipped With Arduino-Based Therapy Time And Angle Monitor”
Available At :
<http://journal.urbangreen.co.id/index.php/healthmedia/article/view/131>
- [12] Asrizal, A., Yulkifli, Y., & Sofia, M. (2012). Penentuan Karakteristik Dari Sistem Pengontrolan Kelajuan Motor Dc Dengan Sensor Optocoupler Berbasis Mikrokontroler At89s52. Jurnal Otomasi Kontrol Dan Instrumentasi, 4(1), 25.
<https://doi.org/10.5614/joki.2012.4.1.4>
- [13]Hobbytronics. (2020). Nema 34 Stepper Motor Torque Curve. 1–9.
<https://www.hobbytronics.co.za/p/579/nema-34-stepper->
- [14] Hojati, M., Baktash, A., & Mukhopadhyay, S. C. (2024). Investigation Of Torque And Sensitivity Analysis Of A Two-Phase Hybrid Stepper Motor. International Journal On Smart Sensing And Intelligent Systems, 17(1). <https://doi.org/10.2478/ijssis-2024-0020>
- [15] Levin, S. M. (1997). Putting The Shoulder To The Wheel: A New Biomechanical Model For The Shoulder Girdle. Biomedical Sciences Instrumentation, 33(June), 412–417.

- [16] Moje, P. R. K., Shetty, D. V., & Motirave, P. G. (2023). Heart Beat Sensor Using Arduino Uno. 11(5), 132–137. <https://doi.org/10.17148/Ijireeice.2023.11524>
- [17] Picasso, R., Pistoia, F., Zaottini, F., Marcenaro, G., Miguel-Pérez, M., Tagliafico, A. S., & Martinoli, C. (2023). Adhesive Capsulitis Of The Shoulder: Current Concepts On The Diagnostic Work-Up And Evidence-Based Protocol For Radiological Evaluation. *Diagnostics*, 13(22). <https://doi.org/10.3390/Diagnostics13223410>
- [18] Reference, Q. (N.D.). 2-Phase Stepper Motor. *Mm*, 2–3.
- [19] Sanghavi, P. J. (2025). Effectiveness Of Muscle Energy Technique In The Management Of Frozen Shoulder: A Narrative Review. *Archives Des Sciences*, 75(1), 31–35. <https://doi.org/10.62227/As/75105>
- [20] Umar, L., Hamzah, Y., & Setiadi, R. N. (2019). Multi-Channel Fry Counter Design Using Optocoupler Sensor. *Spektra: Jurnal Fisika Dan Aplikasinya*, 4(2), 97–104. <https://doi.org/10.21009/Spektra.042.06>