

## DAFTAR PUSTAKA

- [1] "What Is Post Surgery Rehabilitation And Why Is It Necessary\_\_ Miracle Rehab Clinic."
- [2] "Gerakan Pasif Berkelanjutan (CPM) - Fisiopedia."
- [3] T. A. F. Lenssen *et al.*, "Effectiveness of prolonged use of continuous passive motion (CPM), as an adjunct to physiotherapy, after total knee arthroplasty," *BMC Musculoskelet. Disord.*, vol. 9, pp. 1–11, 2008, doi: 10.1186/1471-2474-9-60.
- [4] S. W. O'Driscoll and N. J. Giori, "Continuous passive motion (CPM): Theory and principles of clinical application," *J. Rehabil. Res. Dev.*, vol. 37, no. 2, pp. 179–188, 2000.
- [5] "Rentang Gerak - Fisiopedia."
- [6] "Cara Mengukur Range of Motion (ROM) - HaloFisioterapi." [Online]. Available: [https://halofisioterapi.com/artikel\\_kesehatan/cara-mengukur-range-of-motion-rom/](https://halofisioterapi.com/artikel_kesehatan/cara-mengukur-range-of-motion-rom/)
- [7] S. M. Huang, P. Y. Gi, and P. Y. Wu, "A design of wearable goniometers for measuring carpal angular movement," *Proc. 2018 IEEE Int. Conf. Adv. Manuf. ICAM 2018*, pp. 1–4, 2019, doi: 10.1109/AMCON.2018.8615058.
- [8] H. Lestari, D. N. Izzhati, N. Rachmat, D. Setyawan, E. Saputra, and R. Ismail, "Pengukuran Jangkauan Gerak pada Lutut Orang Indonesia sebbagai Data

Awal Perancangan Kaki Tiruan Atas Lutut,” pp. 64–69, 2012.

- [9] Y. Pititheeraphab, T. Angsuwatanakul, C. Pintavirooj, and T. Khemanuwong, “( CPM ) FOR ARM REHABILITATION DEVICE,” vol. 15, no. 2, pp. 19–27, 2022.
- [10] I. Jeffrey, S. Radcliffe, E. M. Marti, R. T. Kaiser, and N. J. Us, ( 12 ) *United States Patent*, vol. 2. 2021.
- [11] P. Examiner and T. A. Stanis, “( 12 ) United States Patent,” vol. 2, 2022.
- [12] L. . Ku *et al.*, “Development of portable elbow joint device for stroke patient rehabilitation,” *Phys. Ther. Rehabil.*, vol. 5, no. 1, p. 5, 2018, doi: 10.7243/2055-2386-5-5.
- [13] I. W. A. W. Kusuma and S. Santoso, “Analisa Performa Motor Hy-2750b, Motor Mg995, Motor Ds3225mg, dan Motor 24h2a4428 sebagai Penggerak Portable Continuous Passive Motion (CPM),” *Elektrika*, vol. 15, no. 1, p. 49, 2023, doi: 10.26623/elektrika.v15i1.6362.
- [14] A. H. Noviyanto, L. D. Septilianingtyas, D. Rahmawati, P. Mekatronika, and S. Dharma, “Design of a Continuous Passive Motion ( CPM ) Machine for Wrist Joint Therapy,” vol. 2, no. 4, 2021, doi: 10.18196/jrc.2498.
- [15] J. Rosen, D. Milutinović, L. M. Miller, M. Simkins, H. Kim, and Z. Li, *Unilateral and Bilateral*

*Rehabilitation of the Upper Limb Following Stroke via an Exoskeleton*. 2014. doi: 10.1007/978-94-017-8932-5\_15.

- [16] Baharuddin, "Sistem Kendali Kecepatan Motor DC berbasis PWM(Pulse Width Modulation )," p. 17, 2012.
- [17] Q. Hidayati, "Pengaturan Kecepatan Motor DC dengan Menggunakan Mikrokontroler Atmega 8535," *J. Sains Terap.*, vol. 4, no. 1, pp. 1–5, 2012.
- [18] W. Resti *et al.*, "Perancangan Portable Continuous Passive Motion (CPM) sebagai Alat Bantu Rehabilitasi Fraktur Lutut Pasca Operasi Berbasis Internet of Things (IoT)," pp. 14–19.
- [19] M. Yanuar Rifa and T. Prahasto, "Pengembangan Perancangan Alat Terapi Sendi Lutut Continuous Passive Motion Untuk Pasien Pasca Operasi, Penyakit Tulang Dan Faktor Usia," *J. Tek. Mesin S-1*, vol. 11, no. 3, pp. 442–449, 2023.
- [20] R. K. C. J. B. Lowe., "Anatomy, Shoulder and Upper Limb, Elbow Joint - StatPearls - NCBI Bookshelf."
- [21] P. F. Nugraha, *Pengembangan desain CPM (Continuous Passive Motion) elbow sebagai alat orthose aktif bagi pasien pasca operasi tulang siku tangan menggunakan kendali ....* 2010.
- [22] M. Achmad, *GERAK SENDI*.
- [23] R. G. Siku, P. Genggaman, R. Skapula, and R.

Eksternal, "Latihan Pasca Operasi Penggantian Bahu".

- [24] R. Garmabdari, S. Shafie, A. Garmabdari, H. Jaafar, and A. K. Aram, "Labview based flow rate monitoring and measurement algorithm for rotary encoder," *J. Eng. Sci. Technol.*, vol. 9, no. Spec. Issue on Applied Engineering and Sciences (SAES2013), October 2014, pp. 66–75, 2014.
- [25] T. Ratnasari and A. Senen, "Berbasis Mikrokontroler Arduino Dengan Sensor," *J. Sutet*, vol. 7, no. 2, pp. 28–33, 2017.
- [26] M. Taif, M. Y. Hi. Abbas, and M. Jamil, "Penggunaan Sensor Acs712 Dan Sensor Tegangan Untuk Pengukuran Jatuh Tegangan Tiga Fasa Berbasis Mikrokontroler Dan Modul Gsm/Gprs Shield," *PROtek J. Ilm. Tek. Elektro*, vol. 6, no. 1, 2019, doi: 10.33387/protk.v6i1.1009.