

DAFTAR PUSTAKA

- [1] Zimit, Aminu Yahya, Hwa Jen Yap, Mukhtar Fatihu Hamza, Indrazno Siradjuddin, Billy Hendrik, and Tutut Herawan. in 2018, *Modelling and Experimental Analysis Two-Wheeled Self Balance Robot Using PID Controller*, Malaysia, 2018.
- [2] Kurniawan, Diky. in 2018, *PENERAPAN SENSOR AKSELOMETER MPU6050 SEBAGAI SENSOR BIDANG MIRING DENGAN TAMPILAN VISUAL GRAFIK BERBASIS ATMEGA 328*, Medan, 2018.
- [3] Peng, Zhongbo, XueFeng Han, and Zixue Du. in 2010, *Direct Torque Control for Electric Vehicle driver Motor Based on Extended Kalman Filter*, China, 2010.
- [4] Sumanti, Juliana, Arie S. M. Lumenta, ST, MT, and David Pang, ST, MT, in 2014, *Kontrol Optimal pada Balancing Robot Menggunakan Metode Linear Quadratic Regulator*, Manado, 2014..
- [5] Sciavicco, Lorenzo, Bruno Siciliano, and Luigi Villani, in 2015, *Lagrange and Newton-Euler dynamic modeling of a gear-driven robot manipulator with inclusion of motor inertia effects*, India, 2015.
- [6] Ma, Jingsen, Chao Tsung Hsiao, and Georges L. Chahine, in 2014, *SHARED-MEMORY PARALLELIZATION FOR TWO-WAY COUPLED EULER-LAGRANGE MODELING OF BUBBLY FLOWS*, Chicago, 2014.
- [7] Ali, Md. Iman, and Md. Modasser Hossen, in 2017, *A Two-Wheeled Self-Balancing Robot with Dynamics Model*, Bangladesh, 2017.
- [8] Kim, Sangtae, and SangJoo Kwon, in 2015, *Dynamic Modeling of a Two-wheeled Inverted Pendulum Balancing Mobile Robot*, 2015.

- [9] Royyan, Muhammad, in 2015, *IMPLEMENTASI KALMAN FILTER DAN KONTROLER PID UNTUK ROBOT PENDULUM TERBALIK*, Bandung, 2015.
- [10] Zikra, Afdal, in 2019, *KENDALI LINEAR QUADRATIC REGULATOR UNTUK TWO WHEELED BALANCER*, Bandung, 2019.
- [11] Mangkusasmito, Fakhrudin, Dista Yoel Tadeus, Heu Winarno, and Eko Ariyanto, in 2020 *Peningkatan Akurasi Sensor GY-521 MPU6050 dengan Metode Koreksi Faktor Drift*, Semarang, 2020.
- [12] S, Midhun, 2017, "Arduino Self-Balancing Robot", <https://www.instructables.com/Arduino-Self-Balancing-Robot-1/>, [Accessed 12 December 2021]..