

DAFTAR PUSTAKA

- Autodesk Inc, 2016, 2-Wheel Self Balancing Robot by Using Arduino and MPU6050, <https://www.instructables.com/id/2-Wheel-Self-Balancing-Robot-by-using-Arduino-and-/step4/Install-Encoder-Motors-and-Wheels/>, 16 Maret 2017.
- Bimarta, R., *Balancing Robot Menggunakan Metode Kendali Proporsional Integral Derivatif*, Matematika dan IPA, Universitas Gadjah Mada, Yogyakarta.
- Bobby, G., 2015, Implementasi Robot Keseimbangan Beroda Dua Berbasis Mikrokontroler, Teknik Elektro, Itenas, Surabaya.
- Colton, S., 2007, The Balance Filter : A Simple Solution for Integrating Accelerometer and Gyroscope Measurements for a Balancing Platform, <http://web.mit.edu/scolton/www/filter.pdf> , 16 Maret 2017
- Exchange Inc, 2017, How to render 3D axis given pitch roll and yaw?, <https://stackoverflow.com/questions/32131337/how-to-render-3d-axes-given-pitch-roll-and-yaw> , 16 Maret 2017
- Maker Electronico, 2015, MPU6050 Acelerometro y Giroscopio con Arduino Leonardo, <http://www.makerelectronico.com/mpu6050-acelerometro-y-giroscopio-con-arduino-leonardo/>, 16 Maret 2017.
- Mallik, S.S., 2015, How do I Calculate total acceleration from x,y, and z g-Force value given by an accelerometer, <https://www.quora.com/How-do-I-calculate-total-acceleration-from-the-x-y-and-z-g-force-values-given-by-an-accelerometer> , 16 Maret 2017
- Miller, P., 2008, Building a Two Wheeled Balancing Robot, *Disertasi*, Faculty of Engineering and Surveying, University of Southern Queensland, Queensland.
- Nedelkovski, D., 2015, MEMS Accelerometer Gyroscope and Magnetometer & Arduino, <http://howtomechatronics.com/how-it-works/electrical-engineering/mems-accelerometer-gyroscope-magnetometer-arduino/> , 16 Maret 2017
- Nurchahyo, A.R., Self Balancing Robot Dengan Metode Kendali PID, Sekolah Vokasi, Universitas Gadjah Mada, Yogyakarta.
- Santoso, F., 2013, Arduino Uno, <http://febriadisantosa.weebly.com/knowledge/arduino-uno> , 16 Maret 2017
- Stang, J., 2005, The Inverted Pendulum, *Tesis*, Teknik, Cornell University, Cornell.

Sultan, K., 2003, Inverted Pendulum, Institute of Industrial Electronics Engineering, Pakistan.

Suyadhi, T.D.S., 2015, Driver Motor DCMP menggunakan IC L298, <http://www.robotics-university.com/2015/01/driver-motor-dcmp-menggunakan-ic-l298.html> , 16 Maret 2017

Utomo, S.I., Implementasi metode auto tuning PID pada Balancing Robot, Teknik, ITS, Surabaya.

Wicaksono, E.G., 2011, *Self Balancing Robot* dengan Metode Kendali Proporsional Derivative, Teknik, Universitas Diponegoro, Semarang.