DAFTAR PUSTAKA

[1]   D. F. M. Diaz, M. E. R. Montilla, and S. Suddarth, "Active tracking position antenna base," in *IX Latin American Robotics Symposium and IEEE Colombian Conference on Automatic Control*, 2011.

[2]   R. Guo, X. Yin, and L. Xu, "An Antenna Tracking Servo System Based on Particle Filtering," *Appl. Mech. Mater.*, vol. 570, pp. 1016–1019, 2014.

[3]   J. Suryana, T. Hariyadi, and H. Y. Irwanto, "Design and Implementation of Moving Object Tracker for UAV / Rocket Ground Station," in *2013 International Conference of Information and Communication Technology (ICoICT)*, 2013, no. 22, pp. 311–315.

[4]   M. B. Nugraha and R. Sumiharto, "Penerapan Sistem Kendali PID pada Antena Pendeteksi Koordinat Posisi UAV," *IJEIS*, vol. 5, no. 2, pp. 187–198, 2015.

[5]   A. Miller and B. Miller, "Tracking of the UAV trajectory on the basis of bearing-only observations," *53rd IEEE Conf. Decis. Control*, pp. 4178–4184, 2014.

[6]   B.-C. Min, E. T. Matson, and J.-W. Jung, "Active Antenna Tracking System with Directional Antennas for Enhancing Wireless Communication Capabilities of a Networked Robotic System," *J. F. Robot. Wiley Period.*, vol. 0, pp. 1–16, 2015.

[7]   G. Rajini and K. Murthy, "DESIGN AND IMPLEMENTATION OF ANTENNA SERVO CONTROL SYSTEM FOR GROUND STATION," *Int. J. Prof. Eng. Stud.*, vol. V, no. 5, pp. 57–63, 2015.

[8]   J. Ranganathan, R. Spitsberg, K. J. Stuckel, W. H. Semke, and R. R. Schultz, "Autonomous Tracking of UAS Using GPS Data with a Two-Axis Gimbal System," in *Aerospace Conference and AIAA Unmanned Unlimited Conference*, 2009, no. April, pp. 1–13.

[9]   T. Sabapathy, M. A. Mustapha, M. Jusoh, and S. Mat, "Location tracking system using wearable on- body GPS antenna," *MATEC Web Conf. 97,*

01099, vol. 1099, pp. 1–5, 2017.

[10] S. D. Choudhary, P. Rai, A. Kumar, and I. Alam, "MICROCONTROLLER BASED WIRELESS AUTOMATIC ANTENNA POSITIONING SYSTEM," *Int. J. Electron. Electr. Comput. Syst. IJEECS*, vol. 3, no. 6, pp. 12–26, 2014.

[11] X. Meng, Z. Ding, and J. Xu, *Moving Objects Management: Models, Techniques and Applications*, 2nd ed. Beijing: Tsinghua University Press, 2012.

[12] T. Sakamoto and T. Sato, "A TARGET TRACKING METHOD WITH A SINGLE ANTENNA USING TIME-REVERSAL UWB RADAR IMAGING IN A MULTI-PATH ENVIRONMENT Takuya Sakamoto and Toru Sato Department of Communications and Computer Engineering," *Comput. Eng.*, no. 1, pp. 3319–3322, 2010.

[13] W. L. Stutzman and G. A. Thiele, *Antenna theory and design*, Third Edit., vol. 53, no. 9. New Jersey: John Wiley & Sons, Inc., 2013.

[14] N. B. Santoso, *Perekayasaan Sistem Antena*. Jakarta: Kementerian Pendidikan & Kebudayaan Direktorat Jenderal Peningkatan Mutu Pendidik & Tenaga Kependidikan, 2013.

[15] D. A. Nurmantis, "Antena Yagi-Uda." Telkom University, bandung, 2015.

[16] N. McWilliam, R. Teeuw, M. Whiteside, and P. Zukowskyj, "The Global Positioning System (GPS): Principles & Concepts," in *Field Techniques Manual: GIS, GPS and Remote Sensing*, London: The Royal Geographical Society with IBG, 2005.

[17] Ublox, "NEO-M8 u-blox M8 concurrent GNSS modules: Data Sheet." U-blox, Thalwil, 2015.

[18] Honeywell, "3-Axis Digital Compass IC HMC5883L." Honeywell International Inc, New Jersey, pp. 1–18, 2011.

[19] C. C. Robusto, "The Cosine-Haversine Formula," *Am. Math. Mon.*, vol. 64, no. 1, pp. 38–40, 1957.

[20]   "Bearing Between Two Points," 2001. [Online]. Available: http://mathforum.org/library/drmath/view/55417.html. [Accessed: 10-Apr-2017].

[21]   Tony Croft, "Triangle formulae." Mathcentre, Loughborough, pp. 1–13, 2009.

[22]   K. J. Åström and T. Hägglund, *Advanced PID Control*. North Carolina: ISA - Instrumentation, Systems, and Automation Society, 2006.

[23]   K. A. Tehrani and A. Mpanda, "PID Control Theory," in *Introduction to PID Controllers – Theory, Tuning and Application to Frontier Areas*, no. 1, Rijeka: InTech, 2012.

[24]   Arduino, "Arduino Due," *https://www.arduino.cc/en/Main/arduinoBoardDue*. [Online]. Available: https://www.arduino.cc/en/Main/arduinoBoardDue. [Accessed: 11-May-2017].

[25]   3D Robotics, "433 MHz (European) Telemetry Radio Set," *https://store.3dr.com/products/433-mhz-telemetry-radio*. [Online]. Available: https://store.3dr.com/products/433-mhz-telemetry-radio. [Accessed: 11-May-2017].

[26]   S. Khandani, *Engineering Design Process*. California: Saylor.org, 2005.

[27]   Atmel, "Atmel ATmega640/V-1280/V-1281/V-2560/V-2561/V," *www.atmel.com*. Atmel Corporation, California, p. 66, 2014.

[28]   Badan Informasi Geospasial, "Titik Kontrol Nasional orde nol Boulevard UGM N0005," *Sistem Referensi Geospasial Indonesia*, 2013. [Online]. Available: http://srgi.big.go.id/peta/jkg.jsp.