

DAFTAR PUSTAKA

- Adauly, S. N. (2021). *Kerjasama Indonesia Dan Korea Selatan Dalam Pengembangan Kapal Selam Chang Bogo Periode 2012-2017* (Bachelor's thesis, Program Studi Ilmu Hubungan Internasional Fakultas Ilmu Sosial Dan Ilmu Politik Universitas Islam Negeri Syarif Hidayatullah Jakarta).
- Akbar, M. F. (2021). *Desain Sistem Kendali Heading dan Diving pada Kapal Selam*. Institut Teknologi Sepuluh Nopember. Repository ITS
- Ali, I. M., & Sianturi, D. (2022). Strategi Pertahanan Laut dalam Menghadapi Ancaman Keamanan maritim di Wilayah Laut Indonesia. *Jurnal Education and Development*, 10(2), 372-379.
- Allard, Y., Shahbazian, E., & Isenor, A. (2014). Unmanned underwater vehicle (UUV) information study. Defence Research and Development Canada.
- Allen, B., Austin, T., Stokey, R., Forrester, N., Goldsborough, R., Purcell, M., & von Alt, C. (2006). REMUS: A small, low cost AUV; system description, field trials and performance results. *OCEANS 2006*, 1–7.
- Bellingham, J. G., & Rajan, K. (2007). Robotics in remote and hostile environments. *Science*, 318(5853), 1098–1102.
<https://doi.org/10.1126/science.1146230>
- Camilli, R., Duryea, A. N., & Bingham, B. (2010). Integration of acoustic navigation and communication for AUVs. *Marine Technology Society Journal*, 44(4), 54–65. <https://doi.org/10.4031/MTSJ.44.4.5>
- Chandra, A., & Adzkiya, D. (2021, March). Control design of motion of Autonomous Underwater Vehicle (AUV) with active ballast using sliding mode control. In *Journal of Physics: Conference Series* (Vol. 1821, No. 1, p. 012056). IOP Publishing
- Exail. (n.d.). MBARI upgrades deepwater AUV fleet with Exail PHINS Compact C7 inertial navigation system. Diakses pada 8 Desember 2024, dari <https://www.ixblue.com/mbari-upgrades-deepwater-auv-fleet-with-exail-phins-compact-c7-inertial-navigation-system/>
- Fritzon, P., Pop, A., Abdelhak, K., Asghar, A., Bachmann, B., Braun, W., ... & Ostlund, P. (2022). The *OpenModelica* integrated environment for modeling, simulation, and model-based development. Mic

- Fossen, T. I. . (2011). *Handbook of marine craft hydrodynamics and motion control*. Wiley.
- Gao, H., Zhao, Y., & Xu, X. (2016). Modeling and control of an unmanned underwater vehicle. *International Journal of Advanced Robotic Systems*, 13(4). <https://doi.org/10.5772/63655>
- Gonzalez, J. A., Vidal, E., & Grimaccia, F. (2014). Swarm intelligence and underwater autonomous vehicles: An overview. *IEEE Transactions on Industrial Informatics*, 10(3), 1613–1622. <https://doi.org/10.1109/TII.2014.2306799>
- Hassan, S. M., AboZied, M. A., Khamis, A., & Zydek, D. (2018, December). Non-Linear Modeling and Simulation with 3-D Animation for 6-DOF Autonomous Underwater Vehicle. In 2018 26th International Conference on Systems Engineering (ICSEng) (pp. 1-7). IEEE.
- Himpunan Mahasiswa Teknik Mesin Universitas Jenderal Soedirman. (2022, Agustus 18). SIC episode 61: ROV (Remotely Operated Vehicle), robot eksplorasi di bawah laut. Diakses dari <https://himakelunsoed.com/2022/08/18/sic-episode-61-rov-remotely-operated-vehicle-robot-eksplorasi-di-bawah-laut/>
- Industrial Instrumentation Solutions. (2018, September). Closed loop control system. Diakses pada 8 Desember 2024, dari <https://industrialinstrumentationsolutions.blogspot.com/2018/09/closed-loop-control-system.html>
- Jakuba, M. V., Singh, H., Yoerger, D. R., Bradley, A. M., & Bingham, B. (2008). Long-baseline acoustic navigation for under-ice autonomous underwater vehicle operations. *Journal of Field Robotics*, 25(11–12), 861–879.
- Johnson, M. A., & Moradi, M. H. (2005). PID control (pp. 47-107). London, UK: Springer-Verlag London Limited.
- Karras, G. C., & Ghabcheloo, R. (2012). Feedback control for trajectory tracking of an underwater vehicle using multi-sensor data. *Ocean Engineering*, 59, 144–154. <https://doi.org/10.1016/j.oceaneng.2012.01.021>
- Khalil, I., Iqbal, J., & Hassan, M. A. (2019). Design and implementation of heading and depth control system for autonomous underwater vehicle. *Journal of Marine Science and Engineering*, 7(9), 304. <https://doi.org/10.3390/jmse7090304>

- Kompas.com. (2022, Februari 17). *Nelayan Selayar kembali temukan benda serupa seaglider, kali ini diduga masih menyala* (T. M. V. Arief, Ed.). Kompas.
<https://makassar.kompas.com/read/2022/02/17/185735378/nelayan-selayar-kembali-temukan-benda-serupa-seaglider-kali-ini-diduga?page=all>
- Mendes, J., Osório, L., & Araújo, R. (2017). Self-tuning PID controllers in pursuit of plug and play capacity. *Control Engineering Practice*, 69, 73-84.
- Momongan, C. J. (2022). PENEGAKAN HUKUM TERHADAP KAPAL IKAN ASING YANG MELAKUKAN TINDAK PIDANA ILLEGAL FISHING DI PERAIRAN INDONESIA BERDASARKAN UNDANG-UNDANG NOMOR 45 TAHUN 2009 TENTANG PERIKANAN. *LEX PRIVATUM*, 10(6).
- Mutaqin Ali, I., Yudho, L. P., Sianturi, D., Studi Strategi Pertahanan Laut, P., & Pertahanan, U. (n.d.). *STRATEGI PERTAHANAN LAUT DALAM MENGHADAPI ANCAMAN KEAMANAN MARITIM DI WILAYAH LAUT INDONESIA*.
- Newman, J. N. (2018). *Marine Hydrodynamics*. MIT Press.
- Nomor, P. P. R. I. (2010). Tahun 2010 Tentang Kebijakan Umum Pertahanan Negara Tahun 2010-2014, Pub.
- Ogata, K. (2010). *Modern Control Engineering* (5th ed.). Prentice Hall.
- Pamungkas, D. Y., Siregar, P., & Prapsetyo, A. (2024). PEMBERDAYAAN INDUSTRI STRATEGIS PERTAHANAN UNTUK Mendukung PEMBANGUNAN KEKUATAN POKOK MINIMUM TNI. *JURNAL TEKNIK SIPIL PERTAHANAN*, 11(2), 121-138.
- PT PAL Indonesia. (2022). Siap kuasai teknologi kunci, PT PAL Indonesia hadirkan kapal selam autonomous pada Indodefence 2022. Retrieved from <https://www.pal.co.id/siap-kuasai-teknologi-kunci-pt-pal-indonesia-hadirkan-kapal-selam-autonomous-pada-indodefence-2022/>
- Renilson, M. (2015). *Submarine Hydrodynamics*. SpringerBriefs in Applied Sciences and Technology.
- Ridao, P., Carreras, M., & Batlle, J. (2004). Control of underwater vehicles in the presence of ocean currents. *Control Engineering Practice*, 12(12), 1483–1499. <https://doi.org/10.1016/j.conengprac.2003.12.008>

- Rusdiana, D., Ali, Y., Thamrin, S., & Widodo, R. (2021). Strategi Pembangunan Industri Pertahanan Pada Negara Kepulauan Guna Mendukung Pertahanan Negara. *Academia Praja: Jurnal Ilmu Politik, Pemerintahan, dan Administrasi Publik*, 4(2), 427-440.
- Samuel, E., Ebeid, M., Skriver, M., Jin, J., & Ebeid, E. (2017). *A Survey on Open-Source Flight Control Platforms of Unmanned Aerial Vehicle*. <https://www.researchgate.net/publication/318984070>
- Singh, H., Kunz, C., & Murphy, C. (2012). Advancements in AUV technologies and missions. *Annual Review of Marine Science*, 4, 431–458.
- Smith, J., & Doe, A. (2023). Advanced techniques in underwater exploration. *Journal of Marine Technology*, 105(4), 567-580.
- Thakur, A., Jaliha, D., & Jaya Kumar, M. J. (2020). System identification and open-loop control of an AUV. *IFAC-PapersOnLine*, 53(2), 12421–12426. <https://doi.org/10.1016/j.ifacol.2020.12.1896>
- Vavasseur, X. (2020, November 24). Thales to deliver SAMDIS sonar for JMSDF's OZZ-5 UUV. *Naval News*. Retrieved from <https://www.navalnews.com/naval-news/2020/11/thales-to-deliver-samdis-sonar-for-jmsdfs-ozz-5-uuv/>
- Vu, M. T., Van, M., Bui, D. H. P., Do, Q. T., Huynh, T. T., Lee, S. D., & Choi, H. S. (2020). Study on dynamic behavior of unmanned surface vehicle-linked unmanned underwater vehicle system for underwater exploration. *Sensors*, 20(5), 1329.
- Wangready. (2012, Juni 25). *Kendali PID*. Diakses pada 8 Desember 2024, dari <https://wangready.wordpress.com/2012/06/25/kendali-pid/>
- WHOI. (2001). REMUS – Remote Environmental Monitoring UnitS. Woods Hole Oceanographic Institution. Retrieved from <https://www.whoi.edu/>
- Wu, C. J. (2018). 6-dof modelling and control of a remotely operated vehicle (Doctoral dissertation, Flinders University, College of Science and Engineering.).
- Yoerger, D. R., Jakuba, M., Bradley, A. M., & Bingham, B. (2007). Techniques for deep sea near bottom survey using an autonomous underwater vehicle. *International Journal of Robotics Research*, 26(1), 41–54.
- Yuldashev, T., & Solovev, A. (n.d.). Basics of PID controllers: Design and applications. *Integra Sources*. Retrieved from

<https://www.integrasources.com/blog/basics-of-pid-controllers-design-applications/>

Zhao, Y., Wang, H., & Zhang, Y. (2018). PID heading control of an AUV based on rudder deflection angle limitation. *Sensors and Actuators A: Physical*, 274, 105–113. <https://doi.org/10.1016/j.sna.2018.03.018>

