

## DAFTAR PUSTAKA

- Adiputra, R., Utsunomiya, T., Koto, J., Yasunaga, T., & Ikegami, Y. (2020). Preliminary design of a 100 MW-net ocean thermal energy conversion (OTEC) power plant study case: Mentawai island, Indonesia. *Journal of Marine Science and Technology (Japan)*, 25(1), 48–68. <https://doi.org/10.1007/s00773-019-00630-7>
- Aghabalayev, F., & Ahmad, M. (2023). Does innovation in ocean energy generations-related technologies in G7 countries reduce carbon dioxide emissions? Role of international collaboration in green technology development and commercial and monetary policies. *Environmental Science and Pollution Research*, 30(6), 14545–14564. <https://doi.org/10.1007/s11356-022-23081-x>
- Aprilia, E., Aini, A., Frakusya, Z. A., Safril, A., Tinggi, S., Klimatologi, M., & Geofisika, D. (2019). POTENSI PANAS LAUT SEBAGAI ENERGI BARU TERBARUKAN DI PERAIRAN PAPUA BARAT DENGAN METODE OCEAN THERMAL ENERGY CONVERSION (OTEC). In *Jurnal Meteorologi Klimatologi dan Geofisika* (Vol. 6, Issue 2). <https://odv.awi.de/data/ocean/world-ocean->
- Azam, K. H. K., Abidin, M. Z. Z., Husain, M. K. A., Jaafar, A. B., Zaki, N. I. M., & Aziz, F. N. A. A. (2022). Evaluation of hybrid ocean thermal energy conversion system plantwide performance. *Journal of Physics: Conference Series*, 2259(1). <https://doi.org/10.1088/1742-6596/2259/1/012030>
- Bhariyah, A. (2024). *ANALISIS SISTEM TERMODINAMIKA OCEAN THERMAL ENERGY CONVERSION SEBAGAI SUMBER*.
- Chan, W. L., & Chiong, M. S. (2023a). A performance study of R717 and R22 as the working fluid for OTEC plant. *IOP Conference Series: Earth and Environmental Science*, 1143(1). <https://doi.org/10.1088/1755-1315/1143/1/012018>

- Chan, W. L., & Chiong, M. S. (2023b). A performance study of R717 and R22 as the working fluid for OTEC plant. *IOP Conference Series: Earth and Environmental Science*, 1143(1). <https://doi.org/10.1088/1755-1315/1143/1/012018>
- Chan, W. L., & Chiong, M. S. (2023c). A performance study of R717 and R22 as the working fluid for OTEC plant. *IOP Conference Series: Earth and Environmental Science*, 1143(1). <https://doi.org/10.1088/1755-1315/1143/1/012018>
- Chan, W. L., & Chiong, M. S. (2023d). A performance study of R717 and R22 as the working fluid for OTEC plant. *IOP Conference Series: Earth and Environmental Science*, 1143(1). <https://doi.org/10.1088/1755-1315/1143/1/012018>
- Chen, F., Liu, L., Peng, J., Ge, Y., Wu, H., & Liu, W. (2019). Theoretical and experimental research on the thermal performance of ocean thermal energy conversion system using the rankine cycle mode. *Energy*, 183, 497–503. <https://doi.org/10.1016/j.energy.2019.04.008>
- Chen, Y., Liu, Y., Liu, W., Ge, Y., Xue, Y., & Zhang, L. (2022). Optimal design of radial inflow turbine for ocean thermal energy conversion based on the installation angle of nozzle blade. *Renewable Energy*, 184, 857–870. <https://doi.org/10.1016/j.renene.2021.12.016>
- Choudhari, C. S., & Sapali, S. N. (2017). Performance Investigation of Natural Refrigerant R290 as a Substitute to R22 in Refrigeration Systems. *Energy Procedia*, 109, 346–352. <https://doi.org/10.1016/j.egypro.2017.03.084>
- Dezhdar, A., Assareh, E., Keykhah, S., Bedakhanian, A., & Lee, M. (2023). A transient model for clean electricity generation using Solar energy and ocean thermal energy conversion (OTEC) - case study: Karkheh dam - southwest Iran. *Energy Nexus*, 9. <https://doi.org/10.1016/j.nexus.2023.100176>
- Dokl, M., Gomilšek, R., Varbanov, P. S., Fan, Y. Van, Kravanja, Z., & Čuček, L. (2023). Synthesis of Rankine cycle systems with cascade and separate

- configurations utilising multiple heat sources at different temperature levels. *Energy*, 284. <https://doi.org/10.1016/j.energy.2023.128588>
- Fernández-Guillamón, A., Molina-García, Á., Vera-García, F., & Almendros-Ibáñez, J. A. (2021). Organic rankine cycle optimization performance analysis based on super-heater pressure: Comparison of working fluids. *Energies*, 14(9). <https://doi.org/10.3390/en14092548>
- Habibi, H., Chitsaz, A., Javaherdeh, K., Zoghi, M., & Ayazpour, M. (2018). Thermo-economic analysis and optimization of a solar-driven ammonia-water regenerative Rankine cycle and LNG cold energy. *Energy*, 149, 147–160. <https://doi.org/10.1016/j.energy.2018.01.157>
- Hamed, A. S., & Sadeghzadeh, S. (2017). Conceptual design of a 5 MW OTEC power plant in the Oman Sea. *Journal of Marine Engineering and Technology*, 16(2), 94–102. <https://doi.org/10.1080/20464177.2017.1320839>
- Hernández-Romero, I. M., Zavala, V. M., Flores-Tlacuahuac, A., Nápoles-Rivera, F., Fuentes-Cortés, L. F., & Esquivel-Patiño, G. G. (2022). Multi-objective optimization of an open-cycle, ocean thermal energy conversion system with desalinization. *Chemical Engineering and Processing - Process Intensification*, 179. <https://doi.org/10.1016/j.cep.2022.109091>
- Hisamatsu, R., & Utsunomiya, T. (2022). Coupled response characteristics of cold water pipe and moored ship for floating OTEC plant. *Applied Ocean Research*, 123. <https://doi.org/10.1016/j.apor.2022.103151>
- Hoseinzadeh, S., Asadi PaeinLamouki, M., & Garcia, D. A. (2024). Thermodynamic analysis of heat storage of ocean thermal energy conversion integrated with a two-stage turbine by thermal power plant condenser output water. *Journal of Energy Storage*, 84. <https://doi.org/10.1016/j.est.2024.110818>
- Invernizzi, C., Binotti, M., Bombarda, P., Marcoberardino, G. Di, Iora, P., & Manzolini, G. (2019). Water mixtures as working fluids in organic Rankine cycles. *Energies*, 12(13). <https://doi.org/10.3390/en12132629>

- Irvan Tauvana, A., Rachmanu, F., Nulhakim, L., & dan Mokhamad Is Subekti, S. (2022). *Jurnal Asimetrik: Jurnal Ilmiah Rekayasa Dan Inovasi Analisis Kinerja R290 sebagai Pengganti R32 pada Unit AC-Split Kapasitas 9,000 Btuh/hr.* 4, 221–230.
- Kalla, S. K., Arora, B. B., & Usmani, J. A. (2018). PERFORMANCE ANALYSIS OF R22 AND ITS SUBSTITUTES IN AIR CONDITIONERS. In *Journal of Thermal Engineering* (Vol. 4, Issue 1). Yildiz Technical University Press.
- Kim, H. J., Lee, H. S., Lim, S. T., & Petterson, M. (2021). The suitability of the pacific islands for harnessing ocean thermal energy and the feasibility of OTEC plants for onshore or offshore processing. *Geosciences (Switzerland)*, 11(10). <https://doi.org/10.3390/geosciences11100407>
- Koto, J. (2016). 2 MW Closed Cycle SWOTEC in Mentawai, Sumatera Barat, Indonesia. *The Journal of Ocean, Mechanical and Aerospace -Science and Engineering- (JOMase)*, 38(1), 13–19. <https://doi.org/10.36842/jomase.v38i1.395>
- Langer, J., & Blok, K. (2023). The global techno-economic potential of floating, closed-cycle ocean thermal energy conversion. *Journal of Ocean Engineering and Marine Energy*. <https://doi.org/10.1007/s40722-023-00301-1>
- Lim, S., Yoon, J., Lee, H., & Kim, H. (2023). Performance Evaluation of Control Compatibility for an OTEC Pump Shutdown Condition. *Journal of Marine Science and Engineering*, 11(1). <https://doi.org/10.3390/jmse11010155>
- Ma, Q., Gao, Z., Huang, J., Mahian, O., Feng, X., Lu, H., Wang, S., Wang, C., Tang, R., & Li, J. (2023). Thermodynamic analysis and turbine design of a 100 kW OTEC-ORC with binary non-azeotropic working fluid. *Energy*, 263. <https://doi.org/10.1016/j.energy.2022.126097>
- Ma, Q., Huang, J., Gao, Z., Lu, H., Luo, H., Li, J., Wu, Z., & Feng, X. (2023). Performance Improvement of OTEC-ORC and Turbine Based on Binary Zeotropic Working Fluid. *International Journal of Chemical Engineering*, 2023. <https://doi.org/10.1155/2023/8892450>

- Muhammad Dalil, Basuki Wirjosentono, Jaswar Koto, Dodi Sofyan Arief, & Abdul Khair juni. (2023). Effect of Sea Current to Composites Cold Water Pipeline of Ocean Thermal Energy Conversion in Indonesia. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, 107(2), 27–40. <https://doi.org/10.37934/arfmts.107.2.2740>
- Oyewunmi, O. A., Kirmse, C. J. W., Pantaleo, A. M., & Markides, C. N. (2017). Performance of working-fluid mixtures in ORC-CHP systems for different heat-demand segments and heat-recovery temperature levels. *Energy Conversion and Management*, 148, 1508–1524. <https://doi.org/10.1016/j.enconman.2017.05.078>
- Prabowo, A. G. T. (n.d.). *Performance of Organic Rankine Cycle in Different Refrigerants for Low Temperature Geothermal using Delphi Program*.
- Raiyan, M. F., Ahamed, J. U., Rahman, M. M., & Salam, M. A. (2017). Performance and exergetic investigation of a domestic split air conditioner using blends of R22 and R290. *International Journal of Automotive and Mechanical Engineering*, 14(2), 4125–4139. <https://doi.org/10.15282/ijame.14.2.2017.2.0331>
- Rasgianti, Adiputra, R., Nugraha, A. D., Sitanggang, R. B., Pandoe, W. W., Aprijanto, Yasunaga, T., & Santosa, M. A. (2024). System Parameters Sensitivity Analysis of Ocean Thermal Energy Conversion. *Emerging Science Journal*, 8(2), 428–448. <https://doi.org/10.28991/ESJ-2024-08-02-04>
- Reddy, V. S., Kaushik, S. C., Tyagi, S. K., & Panwar, N. (2010). An Approach to Analyse Energy and Exergy Analysis of Thermal Power Plants: A Review. *Smart Grid and Renewable Energy*, 01(03), 143–152. <https://doi.org/10.4236/sgre.2010.13019>
- Singh, S. (2016a). *Properties of Various Refrigerants and Alternatives to R22 Refrigerants*.
- Singh, S. (2016b). *Properties of Various Refrigerants and Alternatives to R22 Refrigerants*.

- Sucahyo, L., Yulianto, M., Hartulistiyoso, E., & Faza, I. (2020). Thermal efficiency simulation of working fluids performance on small scale organic rankine cycle (ORC) with biomass energy. *IOP Conference Series: Earth and Environmental Science*, 542(1). <https://doi.org/10.1088/1755-1315/542/1/012039>
- Terenius, P. (2015). *OTEC Matters 2015*.
- Wang, M., Jing, R., Zhang, H., Meng, C., Li, N., & Zhao, Y. (2018). An innovative Organic Rankine Cycle (ORC) based Ocean Thermal Energy Conversion (OTEC) system with performance simulation and multi-objective optimization. *Applied Thermal Engineering*, 145, 743–754. <https://doi.org/10.1016/j.applthermaleng.2018.09.075>
- Wu, Z., Feng, H., Chen, L., Xie, Z., & Cai, C. (2019). Pumping power minimization of an evaporator in ocean thermal energy conversion system based on constructal theory. *Energy*, 181, 974–984. <https://doi.org/10.1016/j.energy.2019.05.216>
- Yang, M. H., & Yeh, R. H. (2022). Investigation of the potential of R717 blends as working fluids in the organic Rankine cycle (ORC) for ocean thermal energy conversion (OTEC). *Energy*, 245. <https://doi.org/10.1016/j.energy.2022.123317>
- Yasunaga, T., Fontaine, K., & Ikegami, Y. (2021). Performance evaluation concept for ocean thermal energy conversion toward standardization and intelligent design. *Energies*, 14(8). <https://doi.org/10.3390/en14082336>
- Yilmaz, F. (2019). Energy, exergy and economic analyses of a novel hybrid ocean thermal energy conversion system for clean power production. *Energy Conversion and Management*, 196, 557–566. <https://doi.org/10.1016/j.enconman.2019.06.028>
- Zhang, W., Yang, F., Zhang, H., Ping, X., Yan, D., & Wang, C. (2022). Application of two-phase pulsating flow in organic Rankine cycle system for diesel engine waste heat recovery. *Energy*, 243. <https://doi.org/10.1016/j.energy.2021.122776>