

DAFTAR PUSTAKA

- Adib, Foad, Andrey Bagreev, and Teresa J. Bandosz. 1999. "Effect of PH and Surface Chemistry on the Mechanism of H₂S Removal by Activated Carbons." *Academic Press* 369:360–69.
- Ahmed, Naveed, Qambrani Zeeshan, Ali Abro, Asad Ayub, Rajput Rasool, and Bux Mahar. 2023. "Hydrogen Peroxide – Assisted Ozonation Enhanced Methane Production from Molasses - Based Anaerobically Digested Spent Wash." *Biomass Conversion and Biorefinery* 13(16):14849–57. doi: 10.1007/s13399-022-03255-w.
- Annachhatre, Ajit P., and Saovapak Suktrakoolvait. 2001. "Biological Sulfate Reduction Using Molasses as a Carbon Source." *Water Environment Research* (January 2001). doi: 10.2175/106143001X138778.
- Auberbach, Scott M., Kathleen A. Carrado, and Prabir K. Dutta. 2003. "HANDBOOK OF ZEOLITE SCIENCE AND TECHNOLOGY." in *Marcel Dekker*.
- Ban, Zhen Hong, Lau Kok Keong, and Azmi Mohd Shariff. 2014. "Physical Absorption of CO₂ Capture: A Review." *Advanced Materials Research* 917:134–43. doi: 10.4028/www.scientific.net/AMR.917.134.
- Bekkum, H. Van, E. M. Flanigen, and J. C. Jansen. 1995. "Introduction to Zeolite Science and Practice." Pp. 18–19 in *ELSEVIER SCIENCE*. Amsterdam, The Netherlands.
- Chernicharo, and Carlos Augusto de Lemos. 2007. "Anaerobic Reactors." P. 54 in *IWA Publishing*.
- Dąbrowski, A. 2001. "Adsorption - From Theory to Practice." *Advances in Colloid and Interface Science* 93(1–3):135–224. doi: 10.1016/S0001-8686(00)00082-8.
- Dieter Deublein, and Angelika Steinhauser. 2008. "Biogas from Waste and Renewable Resources." P. 49 in *Wiley-VCH*.
- Febri, Calvin Aidil, and Ujang Nuhadek. 2020. "The Effect of Spindle Speed Variation on Results of Drilling Process in Radial Arm Drilling Machine RD-1600." *Journal of Ocean, Mechanical and Aerospace -Science and Engineering-* 63(2):6–10.
- Heidarnejad, Zoha, Mohammad Hadi Dehghani, Mohsen Heidari, Gholamali

- Javedan, Imran Ali, and Mika Sillanpää. 2020. "Methods for Preparation and Activation of Activated Carbon: A Review." *Environmental Chemistry Letters* 18(2):393–415. doi: 10.1007/s10311-019-00955-0.
- Kasulla, Srinivas, S. J. Malik, Salman Zafar, and Aparna Saraf. 2021. "A Retrospection of Hydrogen Sulphide Removal Technologies in Biogas Purification." *International Journal of Trend in Scientific Research and Development (IJTSRD)* 5(3).
- Kaykhaii, Massoud, Mojtaba Sasani, and Sahar Marghzari. 2018. "Removal of Dyes from the Environment by Adsorption Process." *Chemical and Materials Engineering* (August). doi: 10.13189/cme.2018.060201.
- Maria, Turco, and Ausiello Angelo. 2016. "Treatment of Biogas for Feeding High Temperature Fuel Cells." in *Springer International Publishing Switzerland*.
- Matseh, Irvan, Bambang Trisakti, Seri Maulina, and Rivaldi Sidabutar. 2018. "Adsorption-Desorption System for CO₂ Removal in Biogas Using Natural Zeolite-Based Adsorbent." *Journal of Engineering Science and Technology* (October).
- Noyola, Adalberto, Juan Manuel Morgan-sagastume, Jorge E. Lo, Instituto De Ingenieri, Circuito Escolar, Ciudad Universitaria, and D. F. Me. 2006. "Treatment of Biogas Produced in Anaerobic Reactors for Domestic Wastewater : Odor Control and Energy / Resource Recovery." *Springer* 93–114. doi: 10.1007/s11157-005-2754-6.
- Ozekmekci, Mehtap, Gozde Salkic, and Mehmet Ferdi Fellah. 2015. "Use of Zeolites for the Removal of H₂S : A Mini-Review." *ELSEVIER*.
- Palm, Bio-cng, and Oil Mills. 2018. "Development of Biogas Upgrading Plant for the Production of Bio-Compressed Natural Gas." *MPOB Information Series* (126).
- Panhwar, Sallahuddin, Abdul Razaque Sahito, Ghulam Shabir Solangi, Rasool B. U. X. Mahar, and Jawahar Lal. 2019. "Methane Production by Anaerobic Digestion of Spent Wash in Continuous Stirred Tank Reactor." *Mehran University of Engineering & Technology* 38(3):791–98. doi: 10.22581/muet1982.1903.21.
- Paolini, Valerio, Francesco Petracchini, Monica Carnevale, Francesco Gallucci, Mattia Perilli, Giulio Esposito, Marco Segreto, Leandro Galanti, Davide Scaglione, Antonietta Ianniello, and Massimiliano Frattoni. 2018.

- “Characterisation and Cleaning of Biogas from Sewage Sludge for Biomethane Production.” *ELSEVIER* 217:288–96.
- Qiu, Hui, Lu Lv, Bing-cai Pan, Qing-jian Zhang, Wei-ming Zhang, and Quan-xing Zhang. 2009. “Critical Review in Adsorption Kinetic Models *.” *Journal of Zhejiang University SCIENCE* 10(5):716–24. doi: 10.1631/jzus.A0820524.
- Rahman, Ashadi Azwan Abd, Azil Bahari Alias, Nurul Najihah Jaffar, Muhamad Ariff Amir Hamzah, and Wan Azlina Wan Ab Karim Ghani. 2019. “Adsorption of Hydrogen Sulphide by Commercialized Rice Husk Biochar (RHB) &.” *International Journal of Recent Technology and Engineering (IJRTE)* (4):6864–70. doi: 10.35940/ijrte.D5207.118419.
- Sawyerr, Nathaniel, Cristina Trois, Tilahun Seyoum Workneh, and Vincent Ifeanyi Okudoh. 2019. “An Overview of Biogas Production: Fundamentals , Applications and Future Research.” *International Journal of Energy Economics and Policy* 9(February):106. doi: 10.32479/ijEEP.7375.
- Shah, Mansi S., Michael Tsapatsis, and J. Ilja Siepmann. 2017. “Hydrogen Sulfide Capture: From Absorption and Polymer Membranes to Oxide, Zeolite, and MOF Adsorbents and Membranes.” *Chemical Review* 117(14):9755–9803.
- Suprianti, Yanti. 2016. “Pemurnian Biogas Untuk Meningkatkan Nilai Kalor Melalui Adsorpsi Dua Tahap Susunan Seri Dengan Media Karbon Aktif.” *Jurnal ELKOMIKA* 4(2):185–96.
- Syed-hassan, Syed Shatir A. 2023. “Effects of Different Physical Activation Agents on Adsorbent Pore Development and Methane Uptake.” *Recent Innovations in Chemical Engineering (Formerly Recent Patents on Chemical Engineering)* (August). doi: 10.2174/2405520415666220425110926.
- Sylvester, Nnaemeka, Okoli Ndubuisi Celestine, Gracefield Reuben O, and Emmanuel Okechukwu. 2012. “Review of Corrosion Kinetics and Thermodynamics of CO₂ and H₂S Corrosion Effects and Associated Prediction / Evaluation on Oil and Gas Pipeline System .” *International Journal of Scientific & Technology Research* 1(4):156–62.
- Weiland, Peter. 2013. “Biogas Production : Current State and Perspectives Biogas Production : Current State and Perspectives.” *Springer-Verlag* (December). doi: 10.1007/s00253-009-2246-7.

- Wellinger, Arthur, and David Baxter Jerry Murphy. 2013. "The Biogas Handbook: Science, Production and Applications." Pp. 1–2 in *Woodhead Publishing*.
- Yamliha, Ahmad, Bambang Dwi Argo, Wahyunanto Agung, Nugroho Jurusan Keteknikan, Pertanian-Fakultas Teknologi, Pertanian-Universitas Brawijaya, Jl Veteran, and Penulis Korespondensi. 2013. "PENGARUH UKURAN ZEOLITE TERHADAP PENYERAPAN KARBON DIOKSIDA (CO₂) PADA ALIRAN BIOGAS Effect of Zeolite Size during Carbondioxide (CO₂) Adsorption in Biogas Flow." *Jurnal Bioproses Komoditas Tropis* 1(2):67–72.
- Yu, Tao, Zhuo Chen, Zhendong Liu, Jianhong Xu, and Yundong Wang. 2022. "Review of Hydrogen Sulfide Removal from Various Industrial Gases by Zeolites." *Separations*.
- Yudiartono, Ira Fitriana, Ratna Etie, Puspita Dewi, Prima Trie Wijaya, Nona Niode, Nini Gustriani, Pusat Pengkajian, and Industri Proses. 2018. "Analisa Tekno-Ekonomi BIO-CNG Sebagai Bahan Bakar Gas Terbarukan Di Indonesia." *Jurnal Energi Dan Lingkungan* 63–74.
- Zulkefli, Nurul Noramelya, Mohd Shahbudin, Masdar Id, Wan Nor, Roslam Wan, Jamaliah Jahim, Syahril Anuar Rejab, and Chew Chien Lye. 2019. "Removal of Hydrogen Sulfide from a Biogas Mimic by Using Impregnated Activated Carbon Adsorbent." *PLoS*.