

DAFTAR PUSTAKA

- Adelzadeh, M. R., Roostaazad, R., Kamali, M. R., & Bagheri Lotfabad, T. (2010). A technical feasibility analysis to apply *Pseudomonas aeruginosa* MR01 biosurfactant in microbial enhanced oil recovery of low-permeability carbonate reservoirs of Iran. *Scientia Iranica*, 17(1 C), 46–54.
- Al Adasani, A., & Bai, B. (2011). Analysis of EOR projects and updated screening criteria. *Journal of Petroleum Science and Engineering*, 79(1–2), 10–24. <https://doi.org/10.1016/j.petrol.2011.07.005>
- Al-Sulaimani, H., Al-Wahaibi, Y., Ai-Bahry, S., Elshafie, A., Al-Bemani, A., Joshi, S., & Ayatollahi, S. (2012). Residual-oil recovery through injection of biosurfactant, chemical surfactant, and mixtures of both under reservoir temperatures: Induced-wettability and interfacial-tension effects. *SPE Reservoir Evaluation and Engineering*, 15(2), 210–217. <https://doi.org/10.2118/158022-PA>
- Andhini, N., Nursyirwani, & Nedi, S. (2018). Isolasi Bakteri Pendegradasi Minyak Dari Perairan Sekitar Pelabuhan Bengkalis Provinsi Riau. *Jurnal Perikanan Dan Kelautan*, 23(1), 15–20.
- Annisa Arisyi M., Syamsul Irham, S. P. (2015). Pengaruh Penentuan Pilot Design Terhadap Efisiensi Penyapuan Pada Kegiatan Waterflooding Di Lapangan Aa Lapisan M-31. *Seminar Nasional Cendekiawan 2015*, ISSN: 2460-8696, 1(April), 158–167.
- Ansyori, M. R. (2018). Mengenal Enhanced Oil Recovery (EOR) Sebagai Solusi Meningkatkan Produksi Minyak. *Swara Patra*, 8(2), 6. www.nap.edu
- Bergey, D. H., Holt, J. G., & Hensyl, R. (2005). Bergey's manual of determinative bacteriology Lippincott Williams and Wilkins. *Maryland, USA*, 2, 1208–1232.
- Boneau, D. F., & Clampitt, R. L. (1977). Surfactant System for the Oil-Wet Sandstone of the North Burbank Unit. *JPT, Journal of Petroleum Technology*, 29, 501–506. <https://doi.org/10.2118/5820-PA>
- Boudrant, J., & Legrand, J. (2010). Bioprocess engineering. *Process Biochemistry*, 45(11), 1757. <https://doi.org/10.1016/j.procbio.2010.09.002>
- Bumi, G. A. S., Kristiawan, O., Sari, C. N., Penelitian, P., Minyak, T., & Lemigas, B. (2019). *PENGAMATAN MEOR MENGGUNAKAN FORMULA NUTRISI RENDAH GLUKOSA DENGAN METODA IMBIBISI (MEOR Investigation using Low-Glucose Nutrient Formula Applied Imbibition Method)*. 53(1), 4–5.
- Daryasafar, A., Jamialahmadi, M., Moghaddam, M. B., & Moslemi, B. (2016). Using biosurfactant producing bacteria isolated from an Iranian oil field for application in microbial enhanced oil recovery. *Petroleum Science and Technology*, 34(8), 739–746. <https://doi.org/10.1080/10916466.2016.1154869>
- Deng, D., Li, C., Ju, Q., Wu, P., Dietrich, F. L., & Zhou, Z. H. (1999). Systematic extensive laboratory studies of microbial EOR mechanisms and microbial

- EOR application results in Changqing oilfield. *Society of Petroleum Engineers - SPE Asia Pacific Oil and Gas Conference and Exhibition 1999, APOGCE 1999*. <https://doi.org/10.2118/54380-ms>
- Dicgorry, N., & , M. Taufik Fathaddin, S. H. (2015). Luas Total Pola Area Yang Terinvasi Oleh Air Injeksi. *Seminar Nasional Cendekiawan, ISSN: 2460-8696*, 324–334.
- Fanchi, J. R. (2005). *Principles of applied reservoir simulation*. Elsevier.
- Fardiaz, D. S. (1992). *Mikrobiologi pangan 1*. PT Gramedia.
- Füvesi, H., Koós, Á., Kesserű, P., Dergez, Á., Balázs, M., Kiss, I., Mécs, I., & Puskás, S. (2011). *The role of microbiology in oil industry , from the laboratory research to the pilot MEOR test*. 58–67.
- Gbadamosi, A. O., Junin, R., Manan, M. A., Agi, A., & Yusuff, A. S. (2019). An overview of chemical enhanced oil recovery: recent advances and prospects. In *International Nano Letters* (Vol. 9, Issue 3). Springer Berlin Heidelberg. <https://doi.org/10.1007/s40089-019-0272-8>
- Ghojavand, H., Vahabzadeh, F., & Shahraki, A. K. (2012). Enhanced oil recovery from low permeability dolomite cores using biosurfactant produced by a *Bacillus mojavensis* (PTCC 1696) isolated from Masjed-I Soleyman field. *Journal of Petroleum Science and Engineering*, 81, 24–30. <https://doi.org/10.1016/j.petrol.2011.12.002>
- Hadia, N. J., Ottenheim, C., Li, S., Hua, N. Q., Stubbs, L. P., & Lau, H. C. (2019). Experimental investigation of biosurfactant mixtures of surfactin produced by *Bacillus Subtilis* for EOR application. *Fuel*, 251(March), 789–799. <https://doi.org/10.1016/j.fuel.2019.03.111>
- Haq, B., Liu, J., Liu, K., & Al Shehri, D. (2020). The role of biodegradable surfactant in microbial enhanced oil recovery. *Journal of Petroleum Science and Engineering*, 189, 106688. <https://doi.org/10.1016/j.petrol.2019.106688>
- He, K., Xu, L., Gao, Y., Yin, X., & Neeves, K. B. (2015). Evaluation of surfactant performance in fracturing fluids for enhanced well productivity in unconventional reservoirs using Rock-on-a-Chip approach. *Journal of Petroleum Science and Engineering*, 135, 531–541. <https://doi.org/10.1016/j.petrol.2015.10.008>
- Jawetz, E., Melnick, J. L., Adelberg, E. A., Brooks, G. F., Butel, J. S., & Ornston, L. N. (2005). *Mikrobiologi kedokteran*. Jakarta: EGC.
- Juli, N., & Virmuda, B. (2001). Penelitian Awal Terha-dap Delapan Isolat Bakteri Reservoir dalam Mengembangkan Volume Minyak Bumi Secara Monokultur. *Proceeding. Simposium Nasional IATMI*.
- Khalisanni Khalid, Lee Hung Kiong, Zaira Zaman Chowdhury, K. K. (2011). Antimicrobial interaction of *Lactococcus lactis* subsp. *lactis* against some pathogenic bacteria. *International Journal of Biosciences (IJB)*, 1(3), 39–44.
- Kolster, C., Masnadi, M. S., Krevor, S., Mac Dowell, N., & Brandt, A. R. (2017). CO₂ enhanced oil recovery: A catalyst for gigatonne-scale carbon capture and storage deployment? *Energy and Environmental Science*, 10(12), 2594–2608. <https://doi.org/10.1039/c7ee02102j>

- Kristanto, D. D., Widiyarso, A. A., & ... (2010). Pilot Project Implementasi Injeksi Surfactant Di Lapangan Minyak "X" Sumatera Bagian Selatan. ... *Nasional Teknik Kimia* [http://eprints.upnyk.ac.id/4116/0Ahttps://eprints.upnyk.ac.id/4116/2/Pilot Project Implementasi Injeksi Surfactant Di Lapangan Minyak "X" Sumatera Bagian Selatan.pdf](http://eprints.upnyk.ac.id/4116/0Ahttps://eprints.upnyk.ac.id/4116/2/Pilot Project Implementasi Injeksi Surfactant Di Lapangan Minyak)
- Lestari, F. A., Afdhol, M. K., Hidayat, F., & Erfando, T. (2020). *Biopolimer dari Bahan Organik sebagai Biopolimer pada Metode EOR*. 54(3), 149–157.
- Mcinerney, M. J., Knapp, R. M., Duncan, K., Simpson, D. R., Youssef, N., Ravi, N., Folmsbee, M. J., Fincher, T., Maudgalya, S., Davis, J., & Weiland, S. (2007). Development of an in situ biosurfactant production technology for enhanced oil recovery Final Report. *Work*.
- Mustafa, I. (2006). *Pengkajian Potensi Bakteri Termofilik dari Sumur Minyak Bumi di Jatibarang dalam Penerapan MEOR*. Tesis. Institut Teknologi Bandung.
- Nandini, A., Nurherdiana, S. D., Nagarajan, D., & Chang, J. S.-. (2021). *Skrining Bakteri Lactobacillus dan Weisella untuk Produksi Asam Laktat dengan Metode Fermentasi Batch*. 6(2), 127–135.
- Nasution, F. S. (2012). *Identifikasi Dan Karakterisasi Bakteri Asam Laktat Pada Kotoran Ayam Broiler Sebagai Agensi Probiotik* [UNIMED]. <https://digilib.unimed.ac.id/id/eprint/10255/>
- Nielsen, S. M. (2010). *Microbial Enhanced Oil Recovery - Advanced Reservoir Simulation* (Issue July).
- Nikolova, C., & Gutierrez, T. (2020). Use of Microorganisms in the Recovery of Oil From Recalcitrant Oil Reservoirs: Current State of Knowledge, Technological Advances and Future Perspectives. *Frontiers in Microbiology*, 10. <https://doi.org/10.3389/fmicb.2019.02996>
- Niu, J., Liu, Q., Lv, J., & Peng, B. (2020). Journal of Petroleum Science and Engineering Review on microbial enhanced oil recovery : Mechanisms , modeling and field trials. *Journal of Petroleum Science and Engineering*, 192(January), 107350. <https://doi.org/10.1016/j.petrol.2020.107350>
- Patel, J., Borgohain, S., Kumar, M., Rangarajan, V., Somasundaran, P., & Sen, R. (2015). Recent developments in microbial enhanced oil recovery. *Renewable and Sustainable Energy Reviews*, 52, 1539–1558. <https://doi.org/10.1016/j.rser.2015.07.135>
- R., S., & D.J., G. (1964). Generalized Correlations for Predicting Volubility , swelling Viscosity Behavior of CO -Crude Oil Systems SPE 917. *Journal of Petroleum Science and Engineering*, 102–106.
- Riadi, M. (2010). Pertumbuhan Bakteri. *Mikrobiologi Hasil Perikanan*, 76–104.
- Rodrigues, L., Moldes, A., Teixeira, J., & Oliveira, R. (2006). Kinetic study of fermentative biosurfactant production by Lactobacillus strains. *Biochemical Engineering Journal*, 28(2), 109–116. <https://doi.org/10.1016/j.bej.2005.06.001>
- Saravanan, A., Kumar, P. S., Vardhan, K. H., Jeevanantham, S., Karishma, S. B., Yaashikaa, P. R., & Vellaichamy, P. (2020). A review on systematic approach for microbial enhanced oil recovery technologies: Opportunities

- and challenges. *Journal of Cleaner Production*, 258, 120777. <https://doi.org/10.1016/j.jclepro.2020.120777>
- Seyaningrum, S., Priharto, N., & Astuti, D. I. (2021). *BACTERIAL CORE FLOODING TERHADAP LIMESTONE ARTIFICIAL CORE SEBAGAI APLIKASI MICROBIAL ENHANCED OIL RECOVERY (MEOR)*. X(4), 197–205.
- Shibulal, B., Al-bahry, S. N., Al-wahaibi, Y. M., Elshafie, A. E., Al-bemani, A. S., & Joshi, S. J. (2014). *Microbial Enhanced Heavy Oil Recovery by the Aid of Inhabitant Spore-Forming Bacteria : An Insight Review*. 2014.
- Siami, D. H., & Yono, N. H. (2020). Microbial Enhanced Oil Recovery (MEOR): Alternatif Peningkatan Produksi Migas di Indonesia. *Jurnal Nasional Pengelolaan Energi MigaZoom*, 2(2), 01–08. <https://doi.org/10.37525/mz/2020-2/253>
- Surono, I. S. (2004). Probiotik susu fermentasi dan kesehatan. *YAPMMI*, Jakarta.
- Swadesi, B., Parawita, D. H., Widyaningsih, I., & Ghassany, R. A. (n.d.). *Well Patterns and Nutrient Injection Rates Optimization for Microbial Enhanced Oil Recovery (MEOR) in the " DHP " Field*.
- Waluyo, L. (2009). *Mikrobiologi lingkungan*. Malang: UMM press.
- Widyastuti, Y., & Sofarianawati, E. (1999). Karakter bakteri asam laktat Enterococcus sp. yang diisolasi dari saluran pencernaan ternak. *Jurnal Mikrobiologi Indonesia*, 4(2), 50–53.
- Wiyatiningsih, S., Apriyanto, M., S, Y. E., Sutrisno, E., & P, M. I. (2020). Mikrobiologi Pertanian. In *Nuta Media* (p. 120).
- Wu, B., Xiu, J., Yu, L., Huang, L., Yi, L., & Ma, Y. (2022). Biosurfactant production by *Bacillus subtilis* SL and its potential for enhanced oil recovery in low permeability reservoirs. *Scientific Reports*, 12(1), 1–10. <https://doi.org/10.1038/s41598-022-12025-7>
- Yusuf, A., & Kadarwati, S. (1999). *SPE 57309 Field Test of the Indigenous Microbes for Oil Recovery , Ledok Field , Central Java*.
- Zhang, J., Gao, H., & Xue, Q. (2020). Potential applications of microbial enhanced oil recovery to heavy oil. *Critical Reviews in Biotechnology*, 40(4), 459–474. <https://doi.org/10.1080/07388551.2020.1739618>