DAFTAR PUSTAKA

1) Adewunmi, A. A., Solling, T., Sultan, A. S., & Saikia, T. (2022). Emulsified acid systems for oil well stimulation: A review. *Journal of Petroleum Science and Engineering, 208,* 109569. https://doi.org/10.1016/j.petrol.2021.109569

2) Al-Qasim, A., Almudairis, F., & Alsubhi, M. (2020). Heavy organic deposit comprehensive analysis and testing techniques. Upstream Oil and Gas Technology, 5, 100021. Elsevier Ltd. HYPERLINK "https://doi.org/10.1016/j.upstre.2020.100021"https://doi.org/10.1016/j.upstre.2020.100021

3) American Petroleum Institute. (2014). Acidizing treatment in oil and gas operators: Briefing paper. API. Retrieved from www.api.org

4) Anisa, M., & Sudibjo, R. (2015). *Analisis Perencanaan Pengasaman Sumur pada Sumur JRR-2 dan JRR-4 di Lapangan Y*. Seminar Nasional Cendekiawan 2015. Universitas Trisakti

5) Bera, A., Shukla, B., & Jogani, D. (2023). "A perspective review of applications of the computed tomography (CT) scan imaging technique for microscopic reservoir rock characterization." *Energy & Fuels.* https://doi.org/10.1002/dug2.12138

6) Bybee K (2003) Matrix acid stimulation. Society of Petroleum Engineers, Dallas

7) Carman, P. C. (1997). Fluid flow through granular beds. Chemical Engineering Research & Design, 75, 150–166. https://doi.org/10.1016/S0263-8762(97)80003-2

8) Cheng, B., Li, J., Jiang, S., et al. (2021). "Pore-Scale Investigation of Microscopic Remaining Oil." *State Key Laboratory of Petroleum Resources and Prospecting*.

9) Civan, F., (2007). Reservoir Formation Damage- Fundamentals, Modelling, Assessment, and Mitigation. Gulf Professional Publisher, Elsevier, Burlington,

MA

10) Economides, M. J., & Nolte, K. G. (2000). *Reservoir stimulation* (3rd ed.). Wiley

11) Faergestad, I. (2016). The Defining Series: Formation Damage. Oilfield Review. Retrieved from https://www.slb.com/resource-library/oilfield-review/defining-series/defining-formation-damage

12) Firmansyah, F., Feranie, S., Latief, F. D. E., & Tobing, P. F. L. (2014, June). Tortuositas pada model 3D batuan berpori. *Seminar Nasional Fisika*, Universitas Negeri Jakarta.

13) Handoyo, H., Fatkhan, F., Latief, F. D. E., Rizki, R., & Putri, H. Y. (2018). Estimation of rock physical parameters based on digital rock physics image, case study: Blok Cepu oil field, Central Java, Indonesia. Jurnal Geofisika, 16(1), 21-26. https://doi.org/10.36435/jgf.v16i1.53

14) Latief, F. D. E. (2010). "Three-Dimensional Modeling of Clean Sandstone and Characterization of Its Pore Structure and Its Application in Permeability Estimation", Ph.D. Thesis, Institut Teknologi Bandung, 2010.

15) Latief, F. D. E., & Fauzi, U. (2012). Kozeny–Carman and empirical formula for the permeability of computer rock models. *International Journal of Rock Mechanics and Mining Sciences, 50*, 117-123. https://doi.org/10.1016/j.ijrmms.2011.12.005

16) Latief, F. D. E., & Haq, T. M. (2014). Digital characterization and preliminary computer modeling of hydrocarbon bearing sandstone. *AIP Conference Proceedings, 1589*(1), 56-59. https://doi.org/10.1063/1.4868762

17) Gomez Chacon, O., & Pournik, M. (2022). Review: Matrix acidizing in carbonate formations. *Processes, 10*(1), 174. https://doi.org/10.3390/pr10010174

18) Guo, C., Gao, L., Fan, Z., et al. (2018). "Effect of pore structure and permeability on oil displacement efficiency using high-resolution micro-CT scanning." *Fuel, 220*, 233-244. https://doi.org/10.1016/j.fuel.2018.01.021

19) Haias, H. K., & Jaf, P. T. M. (2018). *Matrix acidizing of carbonate formations: A case study.* International Journal of Engineering and Techniques, 4(2)

20) Hong, L. V., & Mahmud, H. B. (2019). A preliminary screening and characterization of suitable acids for sandstone matrix acidizing technique: A comprehensive review. *Journal of Petroleum Exploration and Production Technology, 9*, 753–778. https://doi.org/10.1007/s13202-018-0496-6

21) Jeffry, S. J. M., Trjangganung, K., Chandrakant, A. A., Madon, B., Katende, A., & Ismail, I. (2020). Selection of suitable acid chemicals for matrix stimulation: A Malaysian Brownfield scenario. Journal of Petroleum Science and Engineering, 186, 106689. https://doi.org/10.1016/j.petrol.2019.106689

22) Kasza, P., et al. (2006). *From Laboratory Research to Successful Practice: A Case Study of Carbonate Formation Emulsified Acid Treatments*

23) Madyanova, M., et al. (2012). *Effective Matrix Stimulation of High-temperature Carbonate Formations in South Sumatra through the Combination of Emulsified and Viscoelastic Self-diverting Acids*

24) Mohyaldinn, M. E., Alakbari, F. S., Azman Nor, A. N. A. B., & Hassan, A. M. (2023). *Stability, rheological behavior, and pH responsiveness of CTAB/HCl acidic emulsion: Experimental investigation*. ACS Omega, 8(25), 22428–22439. https://doi.org/10.1021/acsomega.2c08243

25) Nasr-El-Din, H. A., et al. (2001). Field Application of Emulsified Acid-based System to Stimulate Deep, Sour Gas Reservoirs in Saudi Arabia

26) Orlov MS, Roschin PV, Struchkov IA, Litvin VT. The application of X-ray micro computed tomography (micro-CT) of core sample for estimation of physicochemical treatment efficiency. In: Paper presented at the SPE Russian Petroleum Technology Conference, SPE-176600-MS; 2015. doi:10.2118/176600-ms

27) Rae, P.; Di Lullo, G. Matrix Acid Stimulation—A Review of the State-Of-The-Art. In Proceedings of the SPE European Formation Damage Conference, The Hague, The Netherlands, 13–14 May 2003.

28) Roehl PO, Choquette PW. Carbonate petroleum reservoirs. Berlin: Springer; 2012.

29) Sayed, M. A., Zakaria, A. S., Nasr-El-Din, H. A., Holt, S., & Al-Malki, H. (2012). *Core flood study of a new emulsified acid with reservoir cores* (SPE Paper 157310). Society of Petroleum Engineers. https://doi.org/10.2118/157310-MS

30) Simjoo M, Mahamoodi Nick M, Farajzadeh R, Mirhaj SA, Zitha PLJ. A CT scan study of foam flooding in porous media. In: Shiraz 2009—1st EAGE International Petroleum Conference and Exhibition. European Association of Geoscientists & Engineers. 2009. doi:10.3997/2214-4609.20145858

31) Simjoo M, Nguyen QP, Zitha PLJ. Rheological transition during foam flow in porous media. In: Ind Eng Chem Res. 2012;51:10225-10231. doi:10.1021/ie202218z

32) Society of Petroleum Engineers. (1984). *The SI metric system of units and SPE metric standard* (2nd ed.). Society of Petroleum Engineers.

33) Song, C. & Lee, J. (2023, December 20). Reaction Kinetics of an Emulsified Acid Using a Mixed Emulsifier and Carbonate Rocks. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 679, 132544. https://doi.org/10.1016/j.colsurfa.2023.132544

34) U. Aaltosalmi,"Fluid flow in porous media with the Lattice-Boltzmann Method", PhD Thesis, University of Jyväskylä, 2010.

35) Withers PJ, Bouman C, Carmignato S, et al. X-ray computed tomography.Nat Rev Methods Prim. 2021;1:18. doi:10.1038/s43586-021-00015-4

36) W. Degruyter, O. Bachmann, A. Burgisser, O. Malaspinas, Geosphere 6, 470-481 (2010).

37) Xu, C., Kang, Y., You, Z., & Chen, M. (2016). Review on formation damage mechanisms and processes in shale gas reservoir: Known and to be known. *Journal of Natural Gas Science and Engineering, 36*, 1208–1219. https://doi.org/10.1016/j.jngse.2016.01.052

38) Xu, Z.-X., Li, S.-Y., Li, B.-F., Chen, D.-Q., Liu, Z.-Y., & Li, Z.-M. (2020). A review of development methods and EOR technologies for carbonate reservoirs. *Petroleum Science, 17*(6), 990–1013. https://doi.org/10.1007/s12182-020-00467-

5

39) Yousufi, M. M., Elhaj, M. E. M., & Dzulkarnain, I. B. (2024). A review on use of emulsified acids for matrix acidizing in carbonate reservoirs. ACS Omega, 9(10), 11027–11049. https://doi.org/10.1021/acsomega.3c07132