DAFTAR PUSTAKA

Ashraf, M.A., Usman, M., Hussain, I., Ahmad, F., Guo, S. dan Zhang, L. 2022. Lithium extraction from high magnesium salt lake brine with an integrated membrane technology. *Separation and Purification Technology* 302(July), hal. 122163. http://dx.doi.org/10.1016/j.seppur.2022.122163.

Asni, N., Saadilah, M.A. dan Saleh, D. 2014. Optimasi Sintesis Kitosan dari Cangkang Kepiting Sebagai Adsorben Logam Berat Pb(II). *Jurnal Fisika dan Aplikasinya* 15(1), hal. 18–25.

Atkins, P. dan Paula, J. de. 2006. *Physical Chemistry*,. 8th ed. Great Britain: Oxford University Press. http://dx.doi.org/10.1016/0016-0032(61)90576-2.

Ayati, A., Heravi, M.M., Daraie, M., Tanhaei, B., Bamoharram, F.F. dan Sillanpaa, M. 2016. H3PMo12O40 immobilized chitosan/Fe3O4 as a novel efficient, green and recyclable nanocatalyst in the synthesis of pyrano-pyrazole derivatives. *Journal of the Iranian Chemical Society* 13(12), hal. 2301–2308. http://dx.doi.org/10.1007/s13738-016-0949-0.

Badan Pusat Statistik. 2021. *EKSPOR DAN IMPOR*,.

Badan Pusat Statistik. 2022. *EKSPOR DAN IMPOR*,.

Chagnes, A. dan Swiatowska, J. 2015. *Lithium process chemistry: Resources, extraction, batteries, and recycling*,. Waltham: Elsevier. http://dx.doi.org/10.1016/C2013-0-19081-2.

Chang, R. dan Overby, J. 2012. GENERAL CHEMISTRY- The essential concepts. *McGraw-Hill* 6(5), hal. 1689–1699.

Chen, Q., Chen, Z., Li, H. dan Ni, B.-J. 2024. Advanced lithium ion-sieves for sustainable lithium recovery from brines. *Sustainable Horizons* 9(February), hal. 100093. Tersedia pada: https://linkinghub.elsevier.com/retrieve/pii/S2772737824000051.

Chouiekh, A., Naji, M., Rjeb, A., Ababou, Y. dan Sayouri, S. 2021. Sol-gel synthesis and structural study of a lithium titanate phase Li 3x La 2/3.x □ 1/3-2x TiO 3 as solid electrolyte . *IOP Conference Series: Materials Science and Engineering* 1160(1), hal. 012005. http://dx.doi.org/10.1088/1757-899x/1160/1/012005.

Ding, W., Zhang, J., Liu, Y., Guo, Y., Deng, T. dan Yu, X. 2021. Synthesis of granulated H4Mn5O12/chitosan with improved stability by a novel cross-linking strategy for lithium adsorption from aqueous solutions. *Chemical Engineering Journal* 426(June), hal. 131689. http://dx.doi.org/10.1016/j.cej.2021.131689.

Du, P., Niu, P., Yang, Y., Chen, R., Yin, L.-C., Fan, F. dan Liu, G. 2022. Constructing Anatase–Brookite TiO 2 Phase Junction by Thermal Topotactic Transition to Promote Charge Separation for Superior Photocatalytic H 2 Generation. *The Journal of Physical Chemistry Letters* 13(19), hal. 4244–4250. Tersedia pada: https://pubs.acs.org/doi/10.1021/acs.jpclett.2c00964.

Flexer, V., Baspineiro, C.F. dan Galli, C.I. 2018a. Lithium recovery from brines: A vital

raw material for green energies with a potential environmental impact in its mining and processing. *Science of The Total Environment* 639, hal. 1188–1204. http://dx.doi.org/10.1016/j.scitotenv.2018.05.223.

Flexer, V., Fernando, C. dan Inés, C. 2018b. Science of the Total Environment Lithium recovery from brines : A vital raw material for green energies with a potential environmental impact in its mining and processing. *Science of the Total Environment* 639, hal. 1188–1204. http://dx.doi.org/10.1016/j.scitotenv.2018.05.223.

Gharaie, S.S., Habibi, S. dan Nazockdast, H. 2018. Fabrication and characterization of chitosan/gelatin/thermoplastic polyurethane blend nanofibers. *Journal of Textiles and Fibrous Materials* 1, hal. 251522111876932. http://dx.doi.org/10.1177/2515221118769324.

Ghosal, P.S. dan Gupta, A.K. 2017. Development of a generalized adsorption isotherm model at solid-liquid interface: A novel approach. *Journal of Molecular Liquids* 240, hal. 21–24. http://dx.doi.org/10.1016/j.molliq.2017.05.042.

Guo, H. dkk. 2020. Synthesis, characterization and sintering of Li2TiO3 nanoparticles via low temperature solid-state reaction. *Ceramics International* 46(2), hal. 1816–1823. http://dx.doi.org/10.1016/j.ceramint.2019.09.157.

Hadisoemarto, T. 2003. Kitosan dan Potensinya sebagai Bahan Kemasan Layak-Santap. *Jurnal Kimia dan Kemasan*, hal. 10–18. http://dx.doi.org/10.24817/jkk.v0i0.3274.

Han, S., Wang, Z., Ma, Y., Zhang, Y., Wang, Y. dan Wang, X. 2024. Recent advances in solving Li2CO3 problems in garnet-based solid-state battery: A systematic review (2020–2023). *Journal of Energy Chemistry* 90(4), hal. 58–76. Tersedia pada: https://linkinghub.elsevier.com/retrieve/pii/S2095495623006095.

Han, T., Yu, X., Guo, Y., Li, M., Duo, J. dan Deng, T. 2020. Green recovery of low concentration of lithium from geothermal water by a novel FPO/KNiFC ion pump technique. *Electrochimica Acta* 350, hal. 136385. http://dx.doi.org/10.1016/j.electacta.2020.136385.

Hartono, M., Astrayudha, M.A., Petrus, H.T.B.M., Budhijanto, W. dan Sulistyo, H. 2017. Lithium recovery of spent lithium-ion battery using bioleaching from local sources microorganism. *Rasayan Journal of Chemistry* 10(3), hal. 897–903. http://dx.doi.org/10.7324/RJC.2017.1031767.

Hayashi, F., Ogawa, K., Moriya, Y., Sudare, T. dan Teshima, K. 2019. Growth of β-Li2TiO3 Nanocrystals from LiCl and LiOH Fluxes. *Crystal Growth and Design* 19(2), hal. 1377–1383. http://dx.doi.org/10.1021/acs.cgd.8b01758.

Hida, T. 1980. *Brownian Motion*,. New York, NY: Springer US. Tersedia pada: http://link.springer.com/10.1007/978-1-4612-6030-1.

Hong, H.J., Park, I.S., Ryu, T., Ryu, J., Kim, B.G. dan Chung, K.S. 2013. Granulation of Li1.33Mn1.67O4 (LMO) through the use of cross-linked chitosan for the effective recovery of Li+ from seawater. *Chemical Engineering Journal* 234, hal. 16–22. http://dx.doi.org/10.1016/j.cej.2013.08.060.

Jang, Y. dan Chung, E. 2018. Adsorption of Lithium from Shale Gas Produced Water Using Titanium Based Adsorbent. *Industrial & Engineering Chemistry Research* 57(25),

hal. 8381–8387. http://dx.doi.org/10.1021/acs.iecr.8b00805.

Jin, Z.-X., Ma, T.-T., Liu, Y.-Y., Jia, Z.-Q., Tan, H.-W. dan Peng, W.-J. 2024. Preparation of tungsten-doped Ti-based lithium ion sieves with excellent adsorption performance by hydrothermal method. *Journal of Alloys and Compounds* 1005, hal. 176058. Tersedia pada: https://linkinghub.elsevier.com/retrieve/pii/S0925838824026458.

Johnson, E.. dan Peniston, Q.P. 1982. Utilization of shellfish wastes for producting of chitin and chitosan production. In: Martin, R. E., Flick, G. J., Hebard, C. E., dan Ward, D. R. ed. *Chemistry & Biochemistry of Marine Food Products*. Westport, CT, USA: AVI Publishing Co., hal. 415.

Kabay, N., Sözal, P.Y., Yavuz, E., Yüksel, M. dan Yüksel, Ü. 2018. *Geothermal Water Management*,. Geothermal. Bundschuh, J. dan Tomaszewska, B. ed. London, UK: CRC Press. http://dx.doi.org/10.1201/9781315734972.

Karapin-springorum, L., Sarycheva, A., Dopilka, A., Cha, H., Ihsan-ul-haq, M., Larson, J.M. dan Kostecki, R. 2025. An infrared , Raman , and X-ray database of battery interphase components. *Scientific Data*, hal. 1–19. Tersedia pada: http://dx.doi.org/10.1038/s41597-024-04236-6.

Kaspoor, H., Abbasian, A.R. dan Shafiee Afarani, M. 2022. Solution combustion synthesis of high surface area Li2TiO3 nanostructure particles: Effect of nitric acid and NaCl addition. *Ceramics International* 48(7), hal. 10039–10047. http://dx.doi.org/10.1016/j.ceramint.2021.12.213.

Khawam, A. dan Flanagan, D.R. 2006. Solid-state kinetic models: Basics and mathematical fundamentals. *Journal of Physical Chemistry B* 110(35), hal. 17315–17328. http://dx.doi.org/10.1021/jp062746a.

Kittur, F.S., Prashanth, K.V.H., Sankar, K.U. dan Tharanathan, R.N. 2002. Characterization of chitin , chitosan and their carboxymethyl derivatives by differential scanning calorimetry. 49, hal. 185–193.

Kong, A., Wang, P., Zhang, H., Yang, F., Huang, S. dan Shan, Y. 2012. One-pot fabrication of magnetically recoverable acid nanocatalyst, heteropolyacids/chitosan/Fe3O4, and its catalytic performance. *Applied Catalysis A: General* 417–418, hal. 183–189. http://dx.doi.org/10.1016/j.apcata.2011.12.040.

Kongkaew, N., Pruksakit, W. dan Patumsawad, S. 2015. Thermogravimetric Kinetic Analysis of the Pyrolysis of Rice Straw. *Energy Procedia* 79, hal. 663–670. Tersedia pada: https://linkinghub.elsevier.com/retrieve/pii/S1876610215022845.

Lai, X., Yuan, Y., Chen, Z., Peng, J., Sun, H. dan Zhong, H. 2020. Adsorption-Desorption Properties of Granular EP/HMO Composite and Its Application in Lithium Recovery from Brine. *Industrial and Engineering Chemistry Research* 59(16), hal. 7913–7925. http://dx.doi.org/10.1021/acs.iecr.0c00668.

Lakshmi-narayana, A., Hussain, O.M., Mauger, A. dan Julien, C.M. 2019. Transport Properties of Nanostructured Li 2 TiO 3 Anode Material Synthesized by Hydrothermal Method. 3, hal. 1–17.

Lawagon, C.P. dkk. 2016. Adsorptive Li+ mining from liquid resources by H2TiO3: Equilibrium, kinetics, thermodynamics, and mechanisms. *Journal of Industrial and*

Engineering Chemistry 35, hal. 347–356. http://dx.doi.org/10.1016/j.jiec.2016.01.015.

Lee, Y., Kim, H.W. dan Brad Kim, Y.H. 2018. New route of chitosan extraction from blue crabs and shrimp shells as flocculants on soybean solutes. *Food Science and Biotechnology* 27(2), hal. 461–466. Tersedia pada: https://doi.org/10.1007/s10068-017-0270-4.

Leng, Y. 2013. *Materials Characterization*,. 2 ed. United States of America: John Wiley & Sons. Tersedia pada: https://onlinelibrary.wiley.com/doi/book/10.1002/9783527670772.

Levenspiel, O. 1999. Chemical Reaction Engineering. *Industrial & Engineering Chemistry Research* 38(11), hal. 4140–4143. http://dx.doi.org/10.1021/ie990488g.

Li, Y., Yang, Z. dan Ma, P. 2023. Research Progress on New Types of H2TiO3 Lithium-Ion Sieves: A Review. *Metals* 13(5), hal. 977. Tersedia pada: https://www.mdpi.com/2075-4701/13/5/977.

Lin, H., Yu, X., Li, M., Duo, J., Guo, Y. dan Deng, T. 2019. Synthesis of Polyporous Ion-Sieve and Its Application for Selective Recovery of Lithium from Geothermal Water. *ACS Applied Materials & Interfaces* 11(29), hal. 26364–26372. http://dx.doi.org/10.1021/acsami.9b07401.

López-Francés;, A., Peng, L., Bernat-quesada, F., Dhakshinamoorthy, A. dan García, H. 2024. Biopolymer-derived structured graphitic carbons as metal-free heterogeneous ozonation catalysts in water. 27(April). http://dx.doi.org/10.1016/j.mtsust.2024.100807.

Mandal, D., Sathiyamoorthy, D. dan Rao, V.G. 2012. Preparation and characterization of lithium–titanate pebbles by solid-state reaction extrusion and spherodization techniques for fusion reactor. *Fusion Engineering and Design* 87(1), hal. 7–12. Tersedia pada: https://linkinghub.elsevier.com/retrieve/pii/S0920379611005266.

Marganingsih, A. dan Putra, E.T.S. 2021. Effects of Concentrartions Shrimp and Crab's Chitosan on Quality and Shelf Life of Cherry Tomatoes (Solanum lycopersicum var. Cerasiforme). *Vegetalika* 10(1), hal. 69–80. http://dx.doi.org/10.22146/veg.57787.

Marthi, R., Asgar, H., Gadikota, G. dan Smith, Y.R. 2021. On the Structure and Lithium Adsorption Mechanism of Layered H 2 TiO 3. *ACS Applied Materials & Interfaces* 13(7), hal. 8361–8369. Tersedia pada: https://pubs.acs.org/doi/10.1021/acsami.0c20691.

Maulidia, A. dkk. 2023. Kinetic Study of Lithium Leaching from Sidoarjo Mud Using Sulfuric Acid. *Mining, Metallurgy and Exploration*, hal. 1–10. http://dx.doi.org/10.1007/s42461-023-00812-3.

Murodjon, S., Yu, X., Li, M., Duo, J. dan Deng, T. 2020. Lithium Recovery from Brines Including Seawater, Salt Lake Brine, Underground Water and Geothermal Water. *Thermodynamics and Energy Engineering* (January). http://dx.doi.org/10.5772/intechopen.90371.

Nikoshvili, L.Z., Tikhonov, B.B., Ivanov, P.E., Stadolnikova, P.Y., Sulman, M.G. dan Matveeva, V.G. 2023. Recent Progress in Chitosan-Containing Composite Materials for Sustainable Approaches to Adsorption and Catalysis. *Catalysts* 13(2). http://dx.doi.org/10.3390/catal13020367.

Nowotny, M.K. dan Nowotny, J. 2010. *Solid State Chemistry and Photocatalysis of Titanium Dioxide*,. Switzerland: Trans Tech Publications Ltd.

Park, S.J. dan Seo, M.K. 2011. *Intermolecular Force*,. http://dx.doi.org/10.1016/B978-0-12-375049-5.00001-3.

Park, Y.H., Min, K.M., Cho, S., Ahn, M.Y. dan Lee, Y.M. 2017. Li2TiO3 powder synthesis by solid-state reaction and pebble fabrication for tritium breeding material. *Fusion Engineering and Design* 124, hal. 730–734. Tersedia pada: https://doi.org/10.1016/j.fusengdes.2017.05.015.

Pelaez, M. dkk. 2012. A review on the visible light active titanium dioxide photocatalysts for environmental applications. *Applied Catalysis B: Environmental* 125, hal. 331–349. http://dx.doi.org/10.1016/j.apcatb.2012.05.036.

Pérez-Maqueda, L.A., Sánchez-Jiménez, P.E. dan Criado, J.M. 2005. Kinetic analysis of solid-state reactions: Precision of the activation energy calculated by integral methods. *International Journal of Chemical Kinetics* 37(11), hal. 658–666. http://dx.doi.org/10.1002/kin.20115.

Presiden Republik Indonesia. 2019. Peraturan Presiden Nomor 55 Tahun 2019 Tentang Percepatan Program Kendaraan Bermotor Listrik. (008553), hal. 1–6.

Priyono, B., Syahrial, A.Z., Yuwono, A.H., Kartini, E., Marfelly, M. dan Rahmatulloh, W.M.F. 2015. Synthesis of Lithium Titanate (Li4Ti5O12) through hydrothermal process by using Lithium Hydroxide (LiOH) and Titanium Dioxide (TiO2) xerogel. *International Journal of Technology* 6(4), hal. 555–564. http://dx.doi.org/10.14716/ijtech.v6i4.1965.

Purnomo, B.J. dan Pichler, T. 2014. Geothermal systems on the island of Java, Indonesia. *Journal of Volcanology and Geothermal Research* 285, hal. 47–59. http://dx.doi.org/10.1016/j.jvolgeores.2014.08.004.

Rafe, A. dan Razavi, S.M.A. 2015. Effect of Thermal Treatment on Chemical Structure of B-Lactoglobulin and Basil Seed Gum Mixture at Different States by ATR-FTIR Spectroscopy. *International Journal of Food Properties* 18(12), hal. 2652–2664. Tersedia pada: http://www.tandfonline.com/doi/full/10.1080/10942912.2014.999864.

Rinaudo, M. 2006. Chitin and chitosan : Properties and applications. 31, hal. 603–632. http://dx.doi.org/10.1016/j.progpolymsci.2006.06.001.

Roberts, J.D. 1977. *Basic Principles of Organic Chemistry*,. 2d ed. W. A. Benjamin. Tersedia pada: http://gen.lib.rus.ec/book/index.php?md5=4cb484d9031b87c80ec68372a7bbc712.

Safari, S., Lottermoser, B.G. dan Alessi, D.S. 2020. Metal oxide sorbents for the sustainable recovery of lithium from unconventional resources. *Applied Materials Today* 19, hal. 100638. http://dx.doi.org/10.1016/j.apmt.2020.100638.

Sanjuan, B., Gourcerol, B., Millot, R., Rettenmaier, D., Jeandel, E. dan Rombaut, A. 2022. Lithium-rich geothermal brines in Europe: An up-date about geochemical characteristics and implications for potential Li resources. *Geothermics* 101, hal. 102385. http://dx.doi.org/10.1016/j.geothermics.2022.102385.

Setiawan, H., Petrus, H.T.B.M. dan Perdana, I. 2019. Reaction kinetics modeling for

lithium and cobalt recovery from spent lithium-ion batteries using acetic acid. *International Journal of Minerals, Metallurgy, and Materials* 26(1), hal. 98–107. http://dx.doi.org/10.1007/s12613-019-1713-0.

Setijadji, L.D. 2010. Segmented volcanic arc and its association with geothermal fields in Java Island, Indonesia. *Proceedings World Geothermal Congress 2010* (April), hal. 25–29.

Shi, X.C., Zhang, Z.B., Zhou, D.F., Zhang, L.F., Chen, B.Z. dan Yu, L.L. 2013. Synthesis of Li+ adsorbent (H2TiO3) and its adsorption properties. *Transactions of Nonferrous Metals Society of China (English Edition)* 23(1), hal. 253–259. http://dx.doi.org/10.1016/S1003-6326(13)62453-X.

Shivajirao, G.N. dan Mandal, D. 2013. Kinetic Study of Solid State Reaction for the Synthesis of Lithium Titanate by Using TG-DTA Chemcon 2013. In: *Chemcon 2013*. Mumbai: 66th Annual Session of Indian Institute of Chemical Engineers Hosted at Institute of Chemical Technology, Mumbai 400 019.

Siekierka, A., Tomaszewska, B. dan Bryjak, M. 2018. Lithium capturing from geothermal water by hybrid capacitive deionization. *Desalination* 436(February 2018), hal. 8–14. http://dx.doi.org/10.1016/j.desal.2018.02.003.

Skopp, J. 2009. Derivation of the Freundlich Adsorption Isotherm from Kinetics. *Journal of Chemical Education* 86(11), hal. 1341. http://dx.doi.org/10.1021/ed086p1341.

Song, L., Liu, M., Nian, M. dan Yang, G. 2024. Preparation of HMn2O4 lithium-ion sieves with low manganese dissolution loss for improved cycling stability. *RSC Advances* 14(28), hal. 19795–19805. http://dx.doi.org/10.1039/d4ra02757d.

Sujoto, V.S.H. dkk. 2024. Advancing Lithium Extraction: A Comprehensive Review of Titanium-Based Lithium-Ion Sieve Utilization in Geothermal Brine. *Journal of Sustainable Metallurgy* (0123456789). Tersedia pada: https://doi.org/10.1007/s40831-024-00933-z.

Sujoto, V.S.H., Sutijan, Astuti, W., Sumardi, S., Louis, I.S.Y. dan Petrus, H.T.B.M. 2022. Effect of Operating Conditions on Lithium Recovery from Synthetic Geothermal Brine Using Electrodialysis Method. *Journal of Sustainable Metallurgy* 8(1), hal. 274–287. http://dx.doi.org/10.1007/s40831-021-00488-3.

Sun, S., Yu, X., Li, M., Duo, J., Guo, Y. dan Deng, T. 2020. Green recovery of lithium from geothermal water based on a novel lithium iron phosphate electrochemical technique. *Journal of Cleaner Production* 247, hal. 119178. http://dx.doi.org/10.1016/j.jclepro.2019.119178.

Suparno, S.J.S. dan Yuliatin, U. 2020. Potensi Kandungan Unsur Kimia Ekonomis Pada Larutan Panas Bumi Dengan Studi Kasus Di Pltp Dieng, Kabupaten Wonosobo Dan Kabupaten Banjarnegara, Provinsi Jawa Tengah. *Buletin Sumber Daya Geologi* 15(2), hal. 89–100. http://dx.doi.org/10.47599/bsdg.v15i2.299.

Swain, B. 2017. Recovery and recycling of lithium: A review. *Separation and Purification Technology* 172, hal. 388–403. http://dx.doi.org/10.1016/j.seppur.2016.08.031.

U.S Geological Survey. 2022. *Mineral commodity summary - Lithium carbonate*,.

Washington, DC, USA.

Vikström, H., Davidsson, S. dan Höök, M. 2013. Lithium availability and future production outlooks. 110, hal. 252–266. http://dx.doi.org/10.1016/j.apenergy.2013.04.005.

Wang, H., Cui, J., Li, M., Guo, Y., Deng, T. dan Yu, X. 2020. Selective recovery of lithium from geothermal water by EGDE cross-linked spherical CTS/LMO. *Chemical Engineering Journal* 389(November 2019), hal. 124410. http://dx.doi.org/10.1016/j.cej.2020.124410.

Wang, S., Chen, X., Zhang, Y., Zhang, Y. dan Zheng, S. 2018. Lithium adsorption from brine by iron-doped titanium lithium ion sieves. *Particuology* 41, hal. 40–47. http://dx.doi.org/10.1016/j.partic.2018.02.001.

Wei, S., Wei, Y., Chen, T., Liu, C. dan Tang, Y. 2020. Porous lithium ion sieves nanofibers: General synthesis strategy and highly selective recovery of lithium from brine water. *Chemical Engineering Journal* 379(August 2019), hal. 122407. http://dx.doi.org/10.1016/j.cej.2019.122407.

Weng, D., Duan, H., Hou, Y., Huo, J., Chen, L., Zhang, F. dan Wang, J. 2020. Introduction of manganese based lithium-ion Sieve-A review. *Progress in Natural Science: Materials International* 30(2), hal. 139–152. http://dx.doi.org/10.1016/j.pnsc.2020.01.017.

Xiao, J., Nie, X., Sun, S., Song, X., Li, P. dan Yu, J. 2015. Lithium ion adsorption-desorption properties on spinel Li4Mn5O12 and pH-dependent ion-exchange model. *Advanced Powder Technology* 26(2), hal. 589–594. http://dx.doi.org/10.1016/j.apt.2015.01.008.

Yasnó, J.P., Conconi, S., Visintin, A. dan Suárez, G. 2021. Non-isothermal reaction mechanism and kinetic analysis for the synthesis of monoclinic lithium zirconate (m-Li2ZrO3) during solid-state reaction. *Journal of Analytical Science and Technology* 12(1). http://dx.doi.org/10.1186/s40543-021-00267-5.

Yu, Y. dkk. 2022. Thermally assisted efficient electrochemical lithium extraction from simulated seawater. *Water Research* 223(July), hal. 118969. http://dx.doi.org/10.1016/j.watres.2022.118969.

Zhang, L., Zhou, D., He, G., Wang, F. dan Zhou, J. 2014. Effect of crystal phases of titanium dioxide on adsorption performance of H2TiO3-lithium adsorbent. *Materials Letters* 135, hal. 206–209. http://dx.doi.org/10.1016/j.matlet.2014.07.176.

Zhang, Y., Wang, L., Sun, W., Hu, Y. dan Tang, H. 2020. Membrane technologies for Li+/Mg2+ separation from salt-lake brines and seawater: A comprehensive review. *Journal of Industrial and Engineering Chemistry* 81, hal. 7–23. http://dx.doi.org/10.1016/j.jiec.2019.09.002.