



DAFTAR PUSTAKA

- Akcil, A., Veglio, F., Ferella, F., Okudan, M. D., & Tuncuk, A. (2015). A Review of metal recovery from spent petroleum catalyst and ash. *Waste Management*, 420-433.
- British Geological Survey. (2011). *Rare Earth Elements*. British Geological Survey.
- CEIC Data. (2020). *China CN: Market Price: Monthly Avg: Inorganic Chemical Material: Caustic Soda, 96% or Above*. Retrieved from CEIC Data Web site:
<https://www.ceicdata.com/en/china/china-petroleum--chemical-industry-association-petrochemical-price-inorganic-chemical-material/cn-market-price-monthly-avg-inorganic-chemical-material-caustic-soda-96-or-above>
- CEIC Data. (2020). *China CN: Market Price: Monthly Avg: Inorganic Chemical Material: Caustic Soda, Liquid 32%*. Retrieved from CEIC Data Web site:
<https://www.ceicdata.com/en/china/china-petroleum--chemical-industry-association-petrochemical-price-inorganic-chemical-material/cn-market-price-monthly-avg-inorganic-chemical-material-caustic-soda-96-or-above>
- Coral Bay Nickel Corporation. (n.d.). *Process*. Retrieved November 9, 2019, from http://coralbaynickel.com/index_files/Page392.htm
- Enghag, P. (2004). Scandium, Yttrium, Lanthanum and the 14 Lanthanides - Rare Earth Metals (REMs). In P. Enghag, *Encyclopedia of the Elements*. WILEY-VCH Verlag GmbH & Co.
- Innocenzi, V., Ferella, F., De Michelis, I., & Velgio, F. (2015). Treatment of fluid catalytic cracking spent catalysts to recover lanthanum and cerium: Comparison between selective precipitation and solvent extraction. *Journal of Industrial and Chemical Engineering*, 92-97.
- Kim, R., Cho, H., Han, K. N., & Mun, M. (2016). Optimization of Acid Leaching of Rare-Earth Elements from Mongolian Apatite-Based Ore. *Minerals*, 1-15.
- Korkmaz, K., Alemrajabi, M., Rasmussen, A. C., & Forsberg, K. M. (2018). Sustainable Hydrometallurgical REcovery of Valuable Elements from Spent Nickel-Metal Hydride HEV Batteries. *Metals*, 1-17.
- Liu, F., Porvali, A., Halli, P., Wilson, B. P., & Lundstrom, M. (2019). Comparison of Different Leaching Media and Their Effects on REEs Recovery from Spent Nd-Fe-B Magnets. *Cleaner Manufacturing of Critical Metals*, 1-10.
- Market Research Future. (2019, August). *Caustic Soda Market Research Report*. Retrieved



from Market Research Future: <https://www.marketresearchfuture.com/reports/caustic-soda-market-1499>

Mulak, W., & Miazga, B. (2008). Leaching of Nickel from Spent Catalysts in Hydrochloric Acid Solutions. *Physicochemical Problems of Mineral Processing*, 177-184.

Nornickel Harjavalta. (2017). *Refinement Process / Nornickel Harjavalta Oy*. Retrieved November 9, 2019, from <https://nornickel.fi/our-products/refinement-process/?lang=en>

Parhi, P., Park, K., & Senanayake, G. (2013). A kinetic study on hydrochloric acid leaching of nickel from Ni-Al₂O₃ spent catalyst. *Journal of Industrial and Engineering Chemistry*, 589-594.

Royen, H., & Fortcamp, U. (2016). *Rare Earth Elements - Purification, Separation and Recycling*. Stockholm: IVL Swedish Environmental Research Institute Ltd.

Sekretariat Jenderal Dewan Energi Nasional. (2016). *Outlook Energi Indonesia 2016*.

Yan, C., Jia, J., Liao, C., Wu, S., & Xu, G. (2006). Rare Earth Separation in China. *Tsinghua Science and Technology*, 241-247.

Zhao, Z., Qiu, Z., Yang, J., Lu, S., Cao, L., Zhang, W., & Xu, Y. (2016). Recovery of rare earth elements from spent fluid catalytic cracking catalysts using leaching and solvent extraction techniques. *Hydrometallurgy*, 1-25.