

DAFTAR PUSTAKA

- Abdulla, Amina, S., Kumar, A. Y., Arifuddin, M., dan Rajanna, K. C., 2011, Mild and Efficient Nitration of Aromatic Compounds Mediated by Transition-Metal Complexes, *Synthetic Communications*, **41**, 2946-51.
- Anantharaman, P.N., 1985, *p*-Acetamol from Phenol via *p*-Nitrophenol, *Bulletin of Electrochemistry* **1**, **5**, 471
- Arshadi, M., M. Ghiaci, dan A. Gil, **2010**, Nitration of Phenol over a ZSM-5 Zeolite, *Industrial & Engineering Chemistry Research*, **49**(12): 5504-10
- Currie, Fredrik, Krister Holmberg, dan Gunnar Westman. 2001. "Regioselective Nitration of Phenols and Anisols in Microemulsion." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **182**(1-3): 321-27.
- Drugbank, 2017, *Phenol*, <https://go.drugbank.com/drugs/DB03255>, diakses pada tanggal 10 januari 2018
- Esakkidurai, T., dan K. Pitchumani, 2002, "Zeolite-Mediated Regioselective Nitration of Phenol in Solid State." *Journal of Molecular Catalysis A: Chemical* **185**(1-2): 305-9.
- Fessenden, R.J., dan J.S. Fessenden, 1982, *Kimia Organik*, diterjemahkan oleh Aloysius Hadyana P., Edisi III, Jilid 1, Erlangga, Jakarta.
- Furniss, B.S., Hannaford, A.J., Smith, P.W.G., Tatchel, A.R., 1989, *Vogel's Textbook of Practical Organic Chemistry*, Edisi V, Cole Publishing, California
- Gowda, D.C., B., Mahesh, S., 2001, Zinc-catalyzed ammonium formate reductions: Rapid and selective reduction of aliphatic and aromatic nitro compounds, *Indian Journal of Chemistry*, **40B**:75-7
- Hajipour, Abdol Reza, dan Arnold E Ruoho, 2005, "Nitric Acid in the Presence of P₂O₅ Supported on Silica Gel—a Useful Reagent for Nitration of Aromatic Compounds under Solvent-Free Conditions." *Tetrahedron Letters*: 4.
- Heravi, Majid M., Khadijeh Bakhtiari, Tina Benmorad, Fatemeh F. Bamoharram, Hossein A. Oskooie, dan Maryam H. Tehrani, 2007, "Nitration of Aromatic Compounds Catalyzed by Divanadium-Substituted Molybdophosphoric Acid, H₅[PMo₁₀V₂O₄₀]." *Monatshefte für Chemie - Chemical Monthly* **138**(5): 449-52.
- Hosseini-Sarvari, Mona, dan Mina Tavakolian, 2008, "Al₂O₃/MeSO₃H (AMA) as a Novel Heterogeneous System for the Nitration of Aromatic Compounds by Magnesium Nitrate Hexahydrate." *Journal of Chemical Research* **2008**(12): 722-24.
- Iranpoor, N., H. Firouzabadi, dan R. Heydari, 1999, "Ionic Complex of N₂O₄ with 18-Crown-6: A Highly Efficient and Selective Reagent for Nitration of Phenols", *Synthetic Communications*, **29**(19): 3295-3302
- Iranpoor, N., H. Firouzabadi, dan R. Heydari, 2003, "Silica-Acetate Complex of N₂O₄: A Heterogeneous Reagent for the Selective Nitration of Phenols and Nitrosation of Thiols." *Synthetic Communications* **33**(5): 703-10.

- Iranpoor, N., H. Firouzabadi, dan R. Heydari, 2003, "Silica-Polyethyleneglycols/ N_2O_4 Complexes as Heterogeneous Nitrating and Nitrosating Agents." *Phosphorus, Sulfur, and Silicon and the Related Elements* 178(5): 1027–35.
- Iranpoor, N., H. Firouzabadi, R. Heydari, dan M. Shiri, 2005, "Nitration of Aromatic Compounds by $Zn(NO_3)_2 \cdot 2N_2O_4$ and Its Charcoal-Supported System." *Synthetic Communications* 35(2): 263–70.
- Ji, Li, Chao Qian, Mei-xin Liu, dan Xin-zhi Chen, 2011, "Highly Efficient Nitration of Phenolic Compounds Using Some Nitrates and Oxalic Acid under Solvent-Free Conditions." *Journal of Chemical Research* 35(2): 101–3.
- Kamal, A., 2004, "An Efficient and Facile Nitration of Phenols with Nitric Acid/Zinc Chloride under Ultrasonic Conditions." *Ultrasonics Sonochemistry*.
- Kappe, C. Oliver, Bartholomäus Pieber, dan Doris Dallinger, 2013, "Microwave Effects in Organic Synthesis: Myth or Reality?" *Angewandte Chemie International Edition* 52(4): 1088–94.
- Kementerian Kesehatan RI, 2015, *Keputusan menteri Kesehatan Republik Indonesia No. HK.02.02/MENKES/320/2015 tentang Daftar Obat Esensial Indonesia*, Kementerian Kesehatan Republik Indonesia, Jakarta
- Kementerian Kesehatan RI, 2016, *Buletin Infarkes: Upaya Kemandirian Produksi Bahan Baku Obat Indonesia*, Direktorat Jenderal Kefarmasian dan Alat Kesehatan Kementerian Kesehatan RI, Jakarta
- Lalitha, A., dan K. Sivakumar, 2008, "Zeolite H-Y-Supported Copper(II) Nitrate: A Simple and Effective Solid-Supported Reagent for Nitration of Phenols and Their Derivatives", *Synthetic Communications*, 38(11):1745–52
- Hara, Michikazu, T. Yoshida, A. Takagaki, T. Takata, J. N. Kondo, S. Hayashi, K. Domen, 2004, "A Carbon Material as a Strong Protonic Acid", *Angewandte Chemie*, 116(22): 3015-18
- Mason T. J., 1997, "Ultrasound in synthetic organic chemistry", *Chemical Society Reviews* 26(6): 443-51
- McMurry, John, 2011, *Organic Chemistry*, Edisi VIII, Cengage Learning, Canada.
- Mota, Claudio J. A., dan Nilton Rosenbach, 2011. "Carbocations on Zeolites: Quo Vadis?", *Journal of the Brazilian Chemical Society*, 22(7): 1197–1205
- Muathen, Hussni, 2003, "Selective Nitration of Aromatic Compounds with Bismuth Subnitrate and Thionyl Chloride." *Molecules* 8(7): 593–98.
- Nandurkar, Nitin S., Malhari D. Bhor, Shriniwas D. Samant, and Bhalchandra M. Bhanage, 2007, Ultrasound-Assisted Regioselective Nitration of Phenols Using Dilute Nitric Acid in a Biphasic Medium, *Industrial & Engineering Chemistry Research*, 46(25):8590-96
- National Center for Biotechnology Information, 2020, *PubChem Compound Summary for CID 996, Phenol*, <https://pubchem.ncbi.nlm.nih.gov/compound/Phenol>, diakses pada tanggal 4 Desember 2020

- National Center for Biotechnology Information, 2020, *PubChem Compound Summary for CID 980, 4-Nitrophenol*, <https://pubchem.ncbi.nlm.nih.gov/compound/4-Nitrophenol>, diakses pada tanggal 4 Desember 2020
- Rajagopal, R., dan K. V. Srinivasan, 2003, "Regio-Selective Mono Nitration of Phenols with Ferric Nitrate in Room Temperature *Ionic liquid*." *Synthetic Communications* 33(6): 961–66.
- Rajagopal, R, dan K.V Srinivasan, 2003, "Ultrasound Promoted Para-Selective Nitration of Phenols in *Ionic liquid*." *Ultrasonics Sonochemistry* 10(1): 41–43.
- Royal Society of Chemistry, 2015, *4-Aminofenol* <http://www.chemspider.com/Chemical-Structure.392.html>, diakses pada tanggal 25 Mei 2018
- Samajdar, S., Becker F.F., Banik B.K., 2000, "Surface-mediated highly efficient regioselective nitration of aromatic compounds by bismuth nitrate", *Tetrahedron Lett*, 41(42):8017–20
- Sana, S., K. Reddy, K. Rajanna, M. Venkateswarlu dan M. Ali, 2012, "Mortar-Pestle and Microwave Assisted Regioselective Nitration of Aromatic Compounds in Presence of Certain Group V and VI Metal Salts under Solvent Free Conditions", *International Journal of Organic Chemistry*, 2(3): 233-47.
- Sardjiman, 2010, *Belajar Kimia Organik Metode Iqro'*, Pustaka Pelajar, Yogyakarta.
- Selvam, J. Jon Paul, V. Suresh, K. Rajesh, S. Ravinder Reddy, and Y. Venkateswarlu, 2006, "Highly Efficient Nitration of Phenolic Compounds by Zirconyl Nitrate." *Tetrahedron Letters* 47(15): 2507–9.
- Shi, Min, dan Shi-Cong Cui, 2003, "A New Method for Nitration of Phenolic Compounds", *Advanced Synthesis & Catalysis*, 345(11): 1197–1202
- Shiri, Morteza, Mohammad Ali Zolfigol, Hendrik Gerhardus Kruger, dan Zahra Tanbakouchian, 2010, "Advances in the Application of N₂O₄/NO₂ in Organic Reactions." *Tetrahedron* 66(47): 9077–106.
- Shokrolahi, Arash, Abbas Zali, dan Mohammad Hossein Keshavarz, 2007, "Wet Carbon-Based Solid Acid/NaNO₃ as a Mild and Efficient Reagent for Nitration of Aromatic Compound under Solvent Free Conditions." *Chinese Chemical Letters* 18(9): 1064–6.
- Sun, Hong-Bin, Ruimao Hua, dan Yingwu Yin, 2005, "Highly Efficient Nitration of Phenolic Compounds in Solid Phase or Solution Using Bi(NO₃)₃·5H₂O as Nitrating Reagent." *The Journal of Organic Chemistry* 70(22): 9071–3.
- Tajik, H., K. Niknam, dan F. Parsa, 2009, "Using Acidic *Ionic liquid* 1-Butyl-3-Methylimidazolium Hydrogen Sulfate in Selective Nitration of Phenols under Mild Conditions." *Journal of the Iranian Chemical Society* 6(1): 159–64.
- Tasneem, M. M. Ali, K. C. Rajanna, dan P. K. Saiparakash, 2001, "Ammonium Nickel Sulphate Mediated Nitration of Aromatic Compounds with Nitric Acid", *Synthetic Communications*, 31(7): 1123-7

- Vaidya, M.J., S.M., Kulkarni, R.V., Chaudhari, 2003, Synthesis of p-Aminofenol by Catalytic Hydrogenation of p-Nitrofenol, *Organic Process Research & Development*, 7[202-8]
- Vollhardt, Peter, dan Neil Schore, 2019, *Organic Chemistry*, LibreText, [https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Map%3A_Organic_Chemistry_\(Vollhardt_and_Schore\)](https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Map%3A_Organic_Chemistry_(Vollhardt_and_Schore)), diunduh pada tanggal 13 Januari 2021
- Yadav, Urvashi, Hemant Mande, dan Prasanna Ghalsasi, 2012, "Nitration of Phenols Using Cu(NO₃)₂: Green Chemistry Laboratory Experiment." *J. Chem. Educ.*: 3.
- Yin, Wan-Po, dan Min Shi, 2005, "Nitration of Phenolic Compounds by Metal-Modified Montmorillonite KSF." *Tetrahedron* 61(46): 10861–7.
- Zolfigol, M.A., Bii Fatemeh Mirjalili, Abdolhamid Bamoniri, Mohammad Ali Karimi Zarchi, Amin Zarei, Leila Khazdooz, dan Jalil Noei, 2004, Nitration of Aromatik Compound on Silica Sulfuric Acid, *Bull. Korean Chem. Soc.*, 29:1414-6
- Zoubida, Lounis, dan Belarbi Hichem, 2018, "The Nanostructure Zeolites MFI-Type ZSM5", dalam *Nanocrystals and Nanostructures*, editor: Claudia Maria Simonescu, InTech, <http://www.intechopen.com/books/nanocrystals-and-nanostructures/the-nanostructure-zeolites-mfi-type-zsm5>, diunduh pada tanggal 14 Januari 202.