

DAFTAR PUSTAKA

- Anonim, 2012, Impor Bahan Obat Tembus 11 T, <http://www.kemenperin.go.id/artikel/2808/Impor-Bahan-Obat-Tembus-Rp-11-T>, 21 Mei 2017.
- Anonim, 2014, Penggunaan Obat Generik di Indonesia Capai 70%, <http://binfar.kemkes.go.id/2014/05/penggunaan-obat-generik-di-indonesia-capai-70/#.Wk2Xh1WWbDc>, 21 Mei 2017.
- Anonim, 2016, 4-Aminophenol, National Institute of Standard and Technology, <http://webbook.nist.gov>, 31 Mei 2017.
- Anonim, 2017, 4-Aminophenol, Pubchem Open Chemistry Database, <http://pubchem.ncbi.nlm.nih.gov/compound/403>, 12 Oktober 2017.
- Anonim, 2017, Ammonium Acetate, Pubchem Open Chemistry Database, <https://pubchem.ncbi.nlm.nih.gov/compound/517165>, 02 Januari 2018.
- Anonim, 2017, Ammonium Chloride, Pubchem Open Chemistry Database, <https://pubchem.ncbi.nlm.nih.gov/compound/25517>, 02 Januari 2018.
- Anonim, 2017, Ammonium Formate, Pubchem Open Chemistry Database, <https://pubchem.ncbi.nlm.nih.gov/compound/2723923>, 02 Januari 2018.
- Anonim, 2017, Hydrogenation, Encyclopaedia Britannica Inc, <https://www.britannica.com/science/hydrogenation>, 15 Januari 2018.
- Anonim, 2017, Nitrobenzena (Code C44410), NCIt Hierarchy, https://ncit.nci.nih.gov/ncitbrowser/ConceptReport.jsp?dictionary=NCI_Thesaurus&ns=NCI_Thesaurus&code=C44410, 02 Januari 2018.
- Anonim, 2017, Paracetamol, Pubchem Open Chemistry Database, <http://pubchem.ncbi.nlm.nih.gov/compound/1983>, 11 Oktober 2017.
- Anonim, 2017, Peraturan Menteri Kesehatan RI Nomor 17/ Menkes/Per/X/2017 tentang rencana aksi pengembangan industri farmasi dan alat kesehatan.
- Badri, R. & Shushizadeh, M. R., 2007, Silica Sulfuric Acid as an Efficient Reagent for Bamberger Rearrangement of Phenyl Hydroxylamine Derivatives in Solvent-Free Conditions, *Asian J. Chem*, **19** (6), 4661-4664.
- Brown, K.C. & Corbett, J.F., 1979, Benzoquinone Imines. Part 16. Oxidation of *p*-Aminophenol in Aqueous Solution, *J. Chem. Soc.*, **0**, 308-311.
- Fessenden, R.J., Fessenden, J.S., 1986, *Kimia Organik 1*, diterjemahkan oleh Aloysius Hadyana Pujaatmaka, Edisi Ketiga, 7-8, Erlangga, Jakarta.

- Fessenden, R.J., Fessenden, J.S., 1986, *Kimia Organik 1*, diterjemahkan oleh Aloysius Hadyana Pujaatmaka, Edisi Ketiga, 182-194, Erlangga, Jakarta.
- Galvagno, S., Donato, A., Neri, G. & Pietropaolo, R., 1987, Nitrobenzene Hydrogenation on Pt-Sn Catalysts, *J. Mol. Catal*, **42**, 379-387.
- Gowda, D.C. & B. Mahesh., 2000, Catalytic Transfer Hydrogenation of Aromatic Nitro Compounds by Employing Amonium Formate and 5% Platinum on Carbon, *Syn Commun.*, **30** (20), 3639-3644.
- Gowda, D.C. & B. Mahesh., 2000, Zinc-catalyzed Ammonium Formate Reduction : Rapid and Selective Reduction of Aliphatic and Aromatic Nitro Compounds, *Indian J. Chem.*, **40B**, 75-77.
- Helmenstine, A. M., 2017, Catalyst and Catalysis, <https://www.thoughtco.com/catalysts-and-catalysis-604034>, 02 Januari 2018.
- Idris, M., 2016, 92% Bahan Baku Obat Masih Impor, Begini Rencana Pemerintah, *Detik*, 24 Maret 2016.
- Joncour, Roxan; Duguet, Nicolas; Métay, Estelle; Ferreira, Amadéo; Lemaire, Marc, 2014, Amidation of phenol derivatives: a direct synthesis of paracetamol (acetaminophen) from Hydroquinone, *Green Chem.*, **16**: 2997-3002.
- Joncour, Roxan; Duguet, Nicolas; Métay, Estelle; Ferreira, Amadéo; Lemaire, Marc., 2014, Supplementary Information Amidation of phenol derivatives: a direct synthesis of paracetamol (acetaminophen) from hydroquinone, *Green Chem.*, p.2-3.
- Jozwiak, M. & Jerzy Z.N., 2014, Paracetamol: Mechanism of Action, Applications, and Safety Concern, *Acta Pol Pharm.*, **71** (1), 11-23.
- Kamm, O., 1941, B-Phenylhydroxylamine, *Org. Synth.*, **1**, 445.
- Li, L. & Marolla, T.V., 2006, Probing the Role of Promoters in Zinc Reduction of Nitrobenzena: Continuous Production of Hydroxylaminobenzena, *Industrial & Engineering Chemistry Research.*, **46**, 6840-6846.
- Mahieddine, C., Boukhechem, M.S., Zerkout, S. & Zitouni, A., 2016, Synthesis and Microbiological Activities of Novel Acyclic Nitrones, *Asian J. Chem.*, **28** (5), 1027-1030.
- Manna, J., Binayak, R. & Pratibha Sharma., 2015, Efficient Hidrogen Generation from Sodium Borohydride Hydrolysis Using Silica Sulfuric Acid Catalyst, *J. Power. Source.*, **275**, 727-733.

- McMurry, J., 2004, *Organic Chemistry*, Sixth Ed., 332-334, Brooks/Cole-Thomson Learning, New York.
- Pathak, S., Debnath, K. & Pramanik, A., 2013, Silica Sulfuric Acid: A Reusable Solid Catalyst for One Pot Synthesis of Densely Substituted Pyrrole-Fused Isocoumarins Under Solvent-Free Conditions, *Beilstein J. Org. Chem.*, **9**, 2344-2353.
- Paryzek, Z., Hanna Koenig. & Bartlomiej Tabaczka., 2003, Amonium Formate/Palladium on Carbon: A Versatile System for Catalytic Hydrogen Transfer Reductions, of Carbon-Carbon Double Bonds, *Synthesis*, **13**, 2023-2025.
- Pavia, D.L., Lampman, G.M., Kriz, G.S., 1979, *Introduction to Spectroscopy: A Guide for Students of Organic Chemistry*, W. B. Saunders Company, United State of America
- Pernoud, L., Candy, J.P., Didillon, B., Jacquot, R. & Basset, J.M., 2000, Selective Hydrogenation of Nitrobenzena in Phenylhydroxylamine on Silica Supported Platinum Catalysts, *Elsevier Science B.V.*, **130**, 2057-2063.
- Ratnam, K. J., Reddy, R.S., Sekhar, N.S., Kantam, M.L., Deshpande, A. & Figueras, F., 2008, Bamberger Rearrangement on Solid Acids, *Applied Catalysis A: General.*, **348**, 26-29.
- Sadeghi, B. & Nejad, M.G., 2013, Silica Sulfuric Acid: An Eco-Friendly and Reusable Catalyst for Synthesis of Benzimidazole Derivates, *Hindawi Publishing Corp.*, **2013**, 1-5.
- Shaterian, H.R., Ghashang, M. & Feyzi, M., 2008, Silica Sulfuric Acid as An Efficient Catalyst for The Preparation of 2H-Indazolo[2,1-b]phtalazine-triones, *Appl. Catal.*, A., **345**, 128-133.
- Shrikant, L., Karwa., & Rajeev, A., 1987, Selective Catalytic Hydrogenation of Nitrobenzena to Phenylhydroxylamine., *Industrial & Engineering Chemistry Research.*, **26**, 1746-1750.
- Sitepu, 2015, *BKPM: 90% Bahan Baku Obat Masih Impor*, <https://ekbis.sindonews.com/read/949873/34/bkpm-90-bahan-baku-obat-masih-impor-1421130923>, 21 Mei 2017.
- Spangenberg, B., Poole, C.F., Weins, C., 2011, *Quantitative Thin-Layer Chromatography*, 13-50, Springer Berlin Heidelberg, Berlin.
- Vogel, 1989, *Vogel's Textbook of Practical Organic Chemistry*, 5th ed., Experiment 6.109, p. 629., Longman Scientific & Technical, New York.

- Wang, P., Steinmann, S.N., Fu, G., Michel, C. & Sautet, P., 2017, Key Role of Anionic Doping for H_2 Production from Formic acid on Pd, *ACS Catal.*, **7**, 1955-1959.
- Yamabe, S., Zeng, G., Guan, W. & Sakaki, S., 2013, An Aniline Dication-like Transition State in The Bamberger Rearrangement, *Bellstein J. Org. Chem.*, **9**, 1073-1082.
- Zhao, L., Cheng, H., Liu, T., Li, Y., Ying, Z., Yang, W., Lin, W., Meng, X., Wang, C. & Zhao, F., 2017, A Green Process for Production of *p*-Aminophenol from Nitrobenzene Hydrogenation in CO_2/H_2O : The Promoting Effects of CO_2 dan H_2O , *J. CO₂.Util.*, **18**, 229-236.