

DAFTAR PUSTAKA

- Abimantranahita, 2015, Sintesis 1,5-Bis-(4'-triflorometilfenil)-pentan-3-on dari Starting Material 1,5-Bis-(4'-triflorometilfenil)-penta-1,4-dien-3-on melalui Reaksi Hidrogenasi dengan Katalis Paladium Karbon, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta
- Agustina, Y., 2010, Pengaruh Pelarut Polar Aprotik Pada Sintesis Tetrahidropentagamavunon-0 (THPGV-0) dan Uji Aktivitasnya Sebagai Antijamur, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta
- Allen C.F.H., dan VanAllan, J., 1941, m-Tolylbenzylamine, *Org. Synth.*, **21**, p108
- Andini, J.D., 2012, Sintesis Tetrahidropentagamavunon-1 melalui Reaksi Hidrogenasi, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta
- Chandrasekhar, S., Prakash, S.J., dan Rao, C.L., 2006, Poly(ethylene Glycol) (400) as Superior Solvent Medium against Ionic Liquid for Catalytic Hydrogenations with PtO₂, *J.Org.Chem.*, **71**, p2196-2197
- Fried, B., dan Sherma, J., 1994, *Thin Layer Chromatography, Techniques and Application*, Lafayette Collage Easton, Pennsylvania, p11-12
- Gandjar, I.G., Rohman, A., 2007, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta
- Gray, T., 2007, 46 Palladium, <http://theodoregray.com/PeriodicTableDisplay/Elements/046/index.html>, diakses pada tanggal 18 Mei 2015
- Grossman, R.B., 2003, *The Art of Writing Reasonable Organic Reaction Mechanisms*, Second Edition, Springer-Verlag, New York, p270-284
- Hadi, R.S., dan Soejono, S.K., 2010, Curcumin Analogue (Pentagamavunone-0) Induces Luteal Cell Apoptosis by Increased Bax/Bcl-2 Protein Ratio, *PharmaMedika*, **2**, p110-115
- Hakim, L., Hakim, A. R., dan Nugroho, A. E., 2004, Profil Farmakokinetika PGV-0 Setelah Pemberian Kalium PGV-0 Peroral dan Intravena Pada Tikus, *Laporan Penelitian QUE Project*, Fakultas Farmasi UGM, Yogyakarta
- Hudlický, M., 1996, *Reduction in Organic Chemistry*, American Chemical Society, Washington, D. C., p4-30

- IUPAC, 1997, "Catalyst" dalam *Compendium of Chemical Terminology (The Gold Book)*, Second Edition, dikompilasi oleh McNaught, A.D., dan Wilkinson, A., Blackwell Scientific Publications, Oxford
- Karni, M, dan Mandelbaum, A., 1980, The 'Even-Electronic' Rule, *Org. Mass Spectrom.*, **15**, p53-64
- Lestari, P., 2013, Pengaruh Katalis Palladium/Karbon, Besi (III) Klorida, Alumunium Klorida, dan Seng Klorida pada Sintesis Tetrahidropentagamavunon-0 (THPGV-0), *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta
- Martin, A., Swarbick, J., & Cammarata, A., 1990, *Farmasi Fisik: Dasar-Dasar Farmasi Fisik Dalam Ilmu Farmasetik*, diterjemahkan oleh Yoshita, Penerbit Universitas Indonesia, Jakarta, p139-145
- McMurry, J., 2008, *Organic Chemistry*, 7th Edition, Thomson Learning Inc., London, p229-232
- Mekler, A.B., Ramachandran, S., Swaminathan, S., dan Newman, M.S., 1961, 2-Methyl-1,3-Cyclohexanedione, *Org. Synth.*, **41**, p56
- Meiyanto, E., Supardjan, Da'i, M., dan Agustina, D., 2006, Efek Antiproliferatif Pentagamavunon-0 terhadap Sel Kanker Payudara T47D, *Jurnal Kedokteran Yarsi*, **14** (1), p11-15
- Mintariyanti, B., 2010, Pengaruh Pelarut Polar Aprotik pada Sintesis THPGV-0 dan Uji Aktivitasnya sebagai Antibakteri, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta
- Mitsui, T., Rose, M. K., Fomin, E., Ogletree, D. F., dan Salmeron, M., 2003, Dissociative hydrogen adsorption on palladium requires aggregates of three or more vacancies, *Nature*, **422**, p705-707
- Myers, R., 2003, *The Basics of Chemistry*, Greenwood, Connecticut, p139-154
- Namdeo, A., Mahajani, S.M., Suresh, A.K., 2016, Palladium catalysed oxidation of glycerol—Effect of catalyst support, *J.Mol. Catal. A: Chem*, **421**, p55
- Negishi, E., 2002, *Handbook of Organopalladium Chemistry for Organic Synthesis*, John Wiley and Sons, Inc., New York, **2**, p2754-2760.
- Nishimura, S., 2001, *Handbook of Heterogeneous Catalytic Hydrogenation for Organic Synthesis*, John Wiley & Sons Inc., New York
- Nugroho, A.E., Ritmaleni, Sahid, N.A., dan Maeyama, K., 2010, Inhibitory effect of THPGV-0 on the histamine release from antigen-induced RBL-2H3 cells, *Majalah Farmasi Indonesia*, **21**, p242-249

- Pavia, D.L., Lampman, G.M., Krlz, G.S., Vyvyan, J.R., 2009, *Introduction to Spectroscopy*, Fourth Edition, Brooks/Cole Cengage Learning, Belmont, p420-481
- Praditya, I., 2014, Sintesis Senyawa Tetrahidroheksagamavunon-7 melalui Reaksi Hidrogenasi Katalitik dengan Katalis Paladium/Karbon, *Skripsi*, Faklutas Farmasi Universitas Gadjah Mada, Yogyakarta
- Reksohadiprodjo, M.S., Timmerman, H., Sardjiman, Margono, S.A., Martono, S., Sugiyanto, Hakim, L., Nurlaila, Hakim, A.R., Puspitasari, I., Nurrochmad, A., Purwantiningsih, Oetari, dan Yuwono, T., 2004, *Derivates of Benzilidene Cyclohexanone, Benzylidene Cyclopentanone, and Benzylidene Acetone, and Therapeutic Uses Thereof*, U S Patent, 6777447
- Ritmaleni dan Simbara, A., 2010, Sintesis Tetrahidro Pentagamavunon-0, *Majalah Farmasi Indonesia*, **21**, p3547-3549
- Ritmaleni, Sardjiman, Mintariyanti, B., Wulandari, E., dan Purwantini, I., 2013, Antibacterial Acivity of Tetrahydropentagamavunon-0 (THPGV-0) and Tetrahydropentagamavunon-1 (THPGV-1) , *Journal of Natural Sciences Research*, **3**, p12-18
- Robinson, T.P., Ehler, T., Hubbard, R.B., IV, Bai X., Arbiser J.L., Goldsmith D.J., dan Bowen J.P., 2003, Design, Synthesis and Biological Evaluation of Angiogenesis Inhibitors: Aromatic Enone and Dienone Analogues of Curcumin, *Bioor. & Med. Chem. Lett.*, **13**, p115-117
- Roy, S., dan Hedge, M.S., 2008, Pd Ion Substituted CeO₂ : A Superior de-NO_x catalyst to Pt or Rh Metal Ion Doped Ceria, *Catal. Commun.*, **9**, p811-815
- Sant, M.J.V, 1997, Separation Method: Gas Chromatography, dalam Settle, F.A., (Ed.), *Handbook of Instrumental Techniques for Analytical Chemistry*, Prentice-Hall Inc., New Jersey, p125-140
- Sardjiman, 2000, Syntesis of Some New Series of Curcumin Analogue, Antioxidative, Antiinflammatory, Antibacterial Activities, Qualitative Structure-Activity Relationship, *Disertasi*, Gadjah Mada University, Yogyakarta
- Sardjiman, Reksohadiprodjo, M.S., dan Timmerman, H., 2003, *Derivatives of Benzilidine Cyclohexanone, Benzilidine Cyclopentanone, and Benzilidine Acetone and Their Synthesis*, US Patent, 6541672
- Septisetyani, E.P., Ikawati, M., Widaryanti, B., dan Meiyanto, E., 2008, Apoptosis Mediated Cytotoxicity of Curcumin Analogues PGV-0 and PGV-1 in WiDr Cell Line, *Proceeding Molecular Targeted Therapy Symposium 2008*, Cancer

- Chemoprevention Research Center, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta
- Sharp, J.T., Gosney, I., dan Rowley, A.G., 1989, *Practical Organic Chemistry*, Chapman & Hall, London, p86, 114-115
- Sherma, J., dan Kowalska, T., 2006, *Preparative Layer Chromatography*, CRC Press, Boca Raton, p3-5
- Silverstein, R. M., dan Webster, F. X., 1997, *Spectrometric Identification of Organic Compounds*, 6th ed., John Wiley & Sons Inc., New York, p7-70
- Simbara, A., 2009, Sintesis dan Uji Aktivitas Antioksidan, Senyawa Tetrahidropentagamavunon-0, *Tesis*, Fakultas Farmasi UGM, Yogyakarta
- Solomons, T.W.G., 1990, *Fundamentals of Organic Chemistry*, 3rd Edition, John Wiley & Sons, , New York, 243- 246 cit. Ritmaleni & Simbara, A., 2010, Sintesis Tetrahidro Pentagamavunon-0, *Majalah Farmasi Indonesia*, **21**, p3547-3549
- Solomons, T.W.G., Fryhle, C.B., Snyder, S., 2014, *Organic Chemistry*, 11th Edition, John Wiley & Sons, New York
- Still, C.W., 1981, *Flash Chromatography, US Patent*, 4293422
- Suwanti, I.S., 2015, Sintesis dan Uji Antioksidan Senyawa Tetrahidropentagamvunon-5 dengan Metode Penangkapan Radikal DPPH dan Reduksi Ion Feri, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta
- Tsuji, J., 2003, *Palladium Reagents and Catalyst: New Perspectives for the 21st Century*, John Wiley and Sons, Inc., New York, p656
- Wibowo, H., 2013, Sintesis Tetrahidroheksagamavunon-5 dari Starting Material Heksangamavunon-5 dengan Katalis Paladium Karbon melalui Reaksi Hidrogenasi, *Skripsi*, Faklutas Farmasi, Universitas Gadjah Mada, Yogyakarta
- Widyaningtyas, F., Ritmaleni, dan Sardjiman, 2015, Sintesis 2,6-bis-(3'-klorobenzil)sikloheksanon (THA10) dengan Metode Hidrogenasi Menggunakan Katalis Pd/C, *Seminar Nasional Kimia dan Pendidikan Kimia VII*, Fakultas Keguruan dan Ilmu Pendidikan Universitas Negeri Surakarta, Surakarta
- Watson, D.G., 1999, *Pharmaceutical Analysis: A Textbook for Pharmacy Students and Pharmaceutical Chemists*, Churchill Livingstone, London, p207-208
- Wipf, P., 2005, *Handbook of Reagents for Organic Synthesis: Reagents for high-throughput solid-phase and solution-phase Organic Synthesis*, John Wiley and Sons Ltd., England, p177-180.