

DAFTAR PUSTAKA

- Arifani, P.S.R., 2015, Sintesis dan Uji Aktivitas Antibakteri Senyawa Turunan N-Formil-2-Pirazolina Tersubstitusi Gugus Hidroksi dari *p*-Anisaldehida, *Skripsi*, FMIPA UGM, Yogyakarta.
- Asiri, A.M., and Khan., S.A., 2011, (2E)-3-(4-Dimethylaminophenyl)-1-(2,5-Dimethylfuran-3-yl)-Prop-2-en-1-one, *Molbank*, 3, M727.
- Bhaskar, V.H., and Mohite, P.B., 2010, Synthesis Analgesic, Antiinflammatory and Antimicrobial Activities of Some 1-[5-(Substitued Phenyl)-4,5-Dihydro-1*H*-Pyrazol-3-Yl]-5-Phenyl-1*H*-Tetrazole, *J. Optoelectron. Biomed. Mater.*, 2(4), 291-299.
- Bonang, G., dan Koeswardono, E.S., 1982, *Mikrobiologi Kedokteran untuk Laboratorium dan Klinik*, Gramedia, Jakarta.
- Ceylan, M., and Findik, E., 2009, Synthesis and Characterization of New Chalcone Derivatives from cis-bicyclo [3.2.0] hept-1-en-6-one, *Synth. Commun.*, 39(6), 1046-1054.
- Chauhan, A., Sharma, P. K., Kaushik, N., and Kumar, N., 2011, Synthesis of Novel Pyrazole Analogues as Efficacious Antimicrobial Agents, *Int. J. Pharm. Pharm. Sci.*, 3(5), 166-176.
- Christopher, P.R., David, K.V, John, S.M., and Sankarapandian, V., 2010, Antibiotic Therapy for *Shigella Dysentery*, *Cochrane Database Syst. Rev.*, 8, CD006784.
- Crossley, K.B., and Archer, G.L., 1997, *The Staphylococci in Human Disease*, Churchill Livingstone, London.
- Davis, W.W., and Stout, T.R., 1971, Disc Plate Methods of Microbiological Antibiotic Assay, *App. Microbiol.*, 22(4), 659-665.
- Dev, S., and Dhaneswar, S. R., 2013, A Solvent-Free Protocol for the Green Synthesis of Heterocyclic Chalcones, *Der Pharmacia Lettre*, 5(5), 219-223.
- Dou, G., Xu, P., Li, Q., Xi, Y., Huang, Z., and Shi, D., 2013, Clean and Efficient Synthesis of Isoxazole Derivatives in Aqueous Media, *Molecules*, 18, 13645-13653.
- Eicher, T., and Hauptmann, S., 1995, *The Chemistry of Heterocycles Structures, Reactions, Syntheses and Applications*, 1st, John Wiley & Sons, New Jersey.
- Fadhilla, N.P., 2015, Sintesis, Karakterisasi dan Uji Aktivitas Antibakteri Turunan Senyawa 3,5-Diaril-2-Pirazolina-1-Karbaldehida Berbahan Dasar Veratraldehida, *Skripsi*, FMIPA UGM, Yogyakarta.

- Franklin, T.J., and Snow, G.A., 2005, *Biochemistry and Molecular Biology of Antimicrobial Drug Action*, Springer Science and Business Media, New York.
- Fukuda, K., 2014, *WHO : Antimicrobial Resistance Global Report on Surveillance*, WHO Library Cataloguing in Publication Data, Geneva-Swiss.
- Garcia-Raso, A., Garcia-Raso, J.A., Mestres, R., and Sinisterra, J.V., 1985, Mechanism of Michael Addition of Ethyl Acetoacetate to Chalcone Catalyzed by Activated Ba(OH)₂, *React. Kinet. Catal. Lett.*, 28(2), 365-371.
- Gaur, A.H., Patrick, C.C., McCullers, J.A., Flynn, P.M., Pearson, T.A., Razzouk, B.I., Thompson, S.J., and Shenep, J.L., 2001, *Bacillus cereus* Bacteremia and Meningitis in Immunocompromised Children, *Clin. Infect. Dis.*, 32, 1456-1462.
- Gotwal, P., and Srivastava, Y.K., 2012, A Facile Microwave Induced Synthesis of Some Novel 3-[4'-(4''-Nitrophenoxy)-phenyl]-5-(substitued aryl)-2-pyrazoline-1-carboxaldehydes as Potential Antimicrobial Agents, *J. Chem. Bio. Phy. Sci. Sec. A.*, 2(2), 622-627.
- Goulding, D, *Shigella Flexneri* Invading Embryonic Stem Cell, <http://wellcomeimages.org/indexplus/page/Prices.html>, diakses pada 23 Agustus 2015.
- Gray, J.T., and Fedora, J.C., 2002, *Salmonella Foodborne Disease*, Academic Press, San Fransisco.
- Gupta, R., Gupta, N., and Jain, A., 2010, Improved Synthesis of Chalcones and Pyrazolines Under Ultrasonic Irradiation, *Indian J. Chem.*, 49, 351-355.
- Hamada, M.N., and Abdo, N.Y.M., 2015, Synthesis, Characterization, Antimicrobial Screening and Free Radical Scavenging Activity of Some Novel Substitued Pyrazoles, *Molecules*, 20, 10468-10486.
- Holla, B.S., Srivnada, M.K., Akberali, P.M., and Shenoy, M.S., 2000, A Convenient Synthesis of Some Fluorine Containing Arylfuryl-n-phenyl Pyrazoline and Their Antibacterial Activity Studies, *Indian J. Chem.*, 39B, 440.
- Hooper, L.V., and Gordon, J.I., 2001, Commensal Host-Bacterial Relationship in the Gut, *Science*, 292, 1115-1118.
- Khalil, O.M., and Refaat, H.M., 2011, Synthesis and Antiinflammatory Activity of Some 3,5-Diaryl-2-Pyrazoline Derivatives, *Orient. J. Chem.*, 27(4), 1581-1590.
- Knox K.W., and Wicken, A.J., 1973, Immunological Properties of Teichoic Acids, *Bacteriol. Rev.*, 37, 215-257.

- Kumar, R., and Srivastava, Y.K., 2010, Microwave Induced Synthesis and Antimicrobial Activities of Some Derivatives of 3,5-Diaryl-2-Pyrazoline-1-Carbaldehyde, *E. J. Chem.*, 7(2), 496-500.
- Kumar, C.N.T., Renuka, N., Kumar V., and Kumar K.A., 2015, An Accesible Approach to the Synthesis of Thiophene Appended Pyrazoline Carbothioamides as Antimicrobial Agents, *J. Chem. Pharm. Res.*, 2015, 7(3), 1845-1849.
- Kumar, K.A., and Jayaroopa, P., 2013, Pyrazoles : Synthetic Strategies and Their Pharmaeutical Applications an Overview, *Int. J. Pharm. Tech. Res.*, 5(4), 1473-1486.
- Kunkel, D., 2002, *Staphylococcus* in Human Skin, Science Stock Photography, www.denniskunkel.com/detail/962., diakses pada 22 Agustus 2015.
- Kunkel, D., 2015, Dennis Kunkel Microscopy, Inc, Science Stock Photography, www.denniskunkel.com., diakses pada 22 Agustus 2015.
- Levai, A., 1997, Synthesis of Pyrazoline by the Reaction of α,β -enones with Diazomethane, *Chem. Heterocyclic Compd.*, 33, 647-659.
- Mandge, S., Singh, P.H., Gupta, D.S., and Moorthy, N.H., 2007, Synthesis and Characterization of Some Chalcone Derivatives, *Trends in Applied Sci. Res.*, 2(1), 52-56.
- Maris, P., 1995, Modes of Action of Disinfectants, *Rev. Sci. Tech. Off. Int. Epiz.*, 14(1), 47-55.
- Narender, T., Venkateswarlu, K., Nayak, B.V., and Sarkar, S., 2011, A New Chemical Access for 3-acetyl-4-hydroxychalcones using Borontrifluoride-etherate via a Regioselective Claisen Schmidt Condensation and Its Application in the Synthesis of Chalcone Hybrids, *Tetrahedron Lett.*, 52(44), 5794-5798.
- Ozdemir, A., Turan-Zitouni, G., and Kaplancikli, Z.A., 2008, Novel Analogues of 2-Pyrazoline : Synthesis, Characterization and Antimycobacterial Evaluation, *Turk. J. Chem.*, 32, 529-538.
- Pardeshi, S.K., Kumbhar, D.D., Waghmare, B.Y., and Pathade, G.R., 2014, Synthesis and Evaluation of Chalcone as an Antibacterial and Antifungal Agents, *Der Pharmacia Lettre*, 6(1), 224-229.
- Patel, J.R., Malani, M.H., and Dholakiya, B.Z., 2012, Silica Sulfuric Acid-Catalyzed Claisen Schmidt Condensation of 1,3,4 Trisubstitued Pyrrole 2,5 Dione to Chalcones, *Res. Chem. Intermed.*, 38, 2371-2381.
- Pavia, D.L., Lampman, G.M., Kriz, G.S., and Vyvan, J.R., 2009, *Introduction to Spectroscopy*, Fourth edition, Brooks/Cole Cengage learning, Washington.

- Pelczar, M.J, and Chan, E.C.S, 1988, *Dasar-Dasar Mikrobiologi 2*, diterjemahkan oleh Hadioetomo, R.S., Imas, T., Tjitrosomo, S.S., Angka, S.L., Universitas Indonesia, Jakarta.
- Peng-Cheng, L., Sun, J., Luo, Y., Yang, Y., and Zhu, H. L., 2010, Design, Synthesis, and Structure Activity Relationship of Pyrazole Derivatives as Potential FabH Inhibitors, *Bioorg. Med. Chem. Lett.*, 20, 4657- 4660.
- Petrov, O., Ivanova, Y., and Gerova, M., 2009, SOCl/EtOH : Catalytic System for Synthesis of Chalcones, *Catalysis Comm.*, 9, 315-316.
- Rao, D., Wasi, A., and Sharma, K.B., 2013, Microwave Assited Synthesis of Some Bioactive Calcone and Their Pyrazoline and Isoxazolines Derivatives, *J. Chem. Bio. Phy. Sci. Sec.*, 3(4), 2473-2481.
- Ray, B., Jack, R.W., and Tagg, J.R., 1996, Bacteriocins of Gram Positive Bacteria, *Microbiol. Rev.*, 59, 171-200.
- Riyadh, S.M., 2011, Enaminones as Building Blocks for the Synthesis of Substitued Pyrazoles with Antitumor and Antimicrobial Activities, *Molecules*, 16, 1834-1853.
- Sanders, M.E., Morelli, L., and Tomkins, T.A, 2003, Spreformers as Human Probiotics : *Bacillus*, *Sporolactobacillus*, and *Brevibacillus*, *Compr. Rev. Sci. F.*, 2, 101-110.
- Sashidhara, K.V, Rosaiah, J.N, and Kumar, A., 2009, Iodine-Catalyzed Mild and Efficient Method for the Synthesis of Chalcones, *Synth. Commun.*, 39(13), 2288-2296.
- Sasikala, R., Thirumurthy, K., Mayavel, P., and Thirunaraya, G., 2012, Eco-friendly Synthesis and Antimicrobial Activities of some 1-Phenyl-3(5-Bromothiophen-2-yl)-5-(Substitued Phenyl)-2-Pyrazolines, *Org. Med. Chem. Lett.*, 2(20), 1-13.
- Shah, S.S., and Goswami, K., 2013, Synthesis, Characterization and Antimicrobial Activity of some Novel Chalcone Compounds having Benzyloxymonochloro Resacetophenone Moeity, *Der Pharma Chemica*, 5 (1), 75-80.
- Sharma, S., Kaur, S., Bansal, T., and Gaba, J., 2014, Review on Synthesis of Bioactive Pyrazoline Derivatives, *Chem. Sci. Trans.*, 3(3), 861-875.
- Sharshira, E.M., and Hamada, N.M., 2012, Synthesis and Antimicrobial Evaluation of Some Pyrazole Derivatives, *Molecules*, 17, 4962-4971.
- Shockman, G.D, and Barrett, J.F., 1983, Structure, Function, and Assembly of Cell Walls of Gram Positive Bacteria, *Annu. Rev. Microbiol.*, 37, 501-527.

- Sousa, C.P., 2006, *Escherichia coli* as a Specialized Bacterial Pathogen, *Revista de biologia e ciencias da terra*, 6, 341-352.
- Talaro, K. P., and Chess, B., 2012, *Foundation in Microbiology*, McGraw-Hill, New York.
- Tam, C.R., 2008, *Salmonella : Description, Pathogenesis and Symptoms*, Academic Press, San Fransisco.
- Thirunarayanan, G., dan Vanangamudi, G., 2006, Synthesis of Some 4-Bromo-1-Naphthyl Chalcones using Silica-Sulfuric Acid Reagent under Solvent Free Conditions, *ARKIVOC*, xii, 58-56.
- Thomas, P., 2004, *Bacteria and Viruses*, Lucent Books, New York.
- Todar, K, 2015, *Salmonella Thiphymurium* <http://textbookofbacteriology.net/salmonella.html>, diakses pada 22 Agustus 2015.
- Triyanto, A., Sintesis Pirazolina dari Vanilin dan Uji Aktivitasnya sebagai Antibakteri, *Skripsi*, FMIPA UGM, Yogyakarta.
- Vaidya, V.P., Chaithanya, M.S., Nagendrappa, G., and Rudraswamy, M.S., 2013, Synthesis, Antibacterial, Antifungal and Antiinflammatory Activities of 4-Aryl-2-(4-Chlorophenyl)-4H-Pyrimido-[2,1-b][1,3]-benzothiazoles, *Der Pharmacia Letter*, 5(1), 94-99.
- Wistreich, 2012, *Bacillus subtilis*, <http://www.microbeworld.org/component/jlibrary?view=article&id=9078>., diakses pada 22 Agustus 2015.
- Wiwanitkit, V., 2011, *Escherichia coli* infections, *Internet media publishing*, New York.