

DAFTAR PUSTAKA

- Achanta, G., Modzelewska, A., Feng, L., Khan, S.R. and Huang, P., 2006, Boronic-chalcone Derivative Exhibits Potent Anticancer Activity Through Inhibition of Proteasome, *Mol. Pharmacol.*, 70, 426-433.
- Ahmad, M., Sastry, V. G., Bano, N., Ravichandra, S. and Raghavendra, M., 2011, Synthesis and Cytotoxic, Antioxidant Activities of New Chalcone Derivatives, *Rasayan J. Chem.*, 4, 289-294.
- Asamoah, P., S. and Asare, R., 2012, Impact of Temperature on Bacterial Growth and Survival in Drinking Water Pipes, *Research J. of Environ. and Earth Sci.*, 4, 807-817.
- Baluja, S. and Chanda, S., 2012, Pyrazolines Derivatives: Synthesis and Antibacterial Studies, *World Res. J. Biochem.*, 1, 6-10.
- Barot, V.M. and Patel, M.C., 2012, Synthesis, Spectral Studies and Biological Evaluation of Chalcones, *Asian J. of Biochem. and Pharm. Res.*, 4, 225-230.
- Baseer, M.A. and Kendre, M.M., 2013, Synthesis and Evaluation of Some New 3-(2'-hydroxy-phenyl)-5-(4'-substituted-phenyl)-2-Pyrazoline Carboxaldehydes as Antimicrobial, *American J. of Adv. Drug Deliv.*, 4, 387-393.
- Belmar, J., Alderete, J., Zuniga, C., Jimenez, C., Jimenez, V., Hunez, H., Grandy, R. and Yori, A., 2001, Synthesis of 1-n-Alkyl-3-Methyl and 1-n-Alkyl-3-Phenyl-5-Pyrazolines and Formyl Derivatives, *Int. J. Biopharm. And Life Sci.*, 46, 134-141.
- Bravo, V.J., 2014, Solvent-free Synthesis of Ferrocenylchalcone, *Int. J. of Curr. Res.*, 6, 138-146.
- British Pharmacopedia, 1993, Test for Efficacy of Antimicrobial Preservation, The Pharmaceutical Press, London.
- Camps, P., Domingo, L.R., Formosa, X., Galdeano, C., Gonzales, D., Munoz-Torrero, D., Segales, S., Font-Bardia, M. and Solans, X., 2006, Highly Diastereoselective One-Pot Synthesis of Spiro {cyclopenta[a]indene-2,2'-indene}diones from 1-Indanones and Aromatic Aldehydes, *J. Org. Chem.*, 71, 3464-3471.
- Chen, Y., Pi, B., Zhou, H., Yu, Y. and Li, L., 2009, Triclosan resistance in clinical isolates of *Acinetobacter baumannii*, *J. Med. Microbiol.*, 58, 86-91.

- Chimenti, F., Bolasco, A., Manna, F., Secci, D., Chimenti, P., Befani, O., Turini, P., Giovannini, V., Mondovì, B., Cirilli, R. and Torre, F.L., 2004, Synthesis and Selective Inhibitory Activity of 1-Acetyl-3,5-diphenyl-4,5-dihydro-(1*H*)-pyrazole Derivatives Against Monoamine Oxidase, *J. Med. Chem.*, 47, 2071-2074.
- Chovatia, Y.S., Gandhi, S.P., Gorde, P.L. and Bagade, S.B., 2010, Synthesis and Antibacterial activity of some Pyrazoline Derivatives, *Orient. J. Chem.*, 26, 275-278.
- Chuanchen, R., Beinlich, K. and Hoang, T. T., 2001, Cross-resistance Between Triclosan and Antibiotics is Mediated by Multidrug Efflux Pumps: Exposure of a Susceptible Mutant Strain to Triclosan Selects *nfxB* Mutants Overexpressing MexCD-OprJ, *Antimicrob. Agents and Chemother.*, 45, 428-432.
- Colin and Patricia, 1976, *Microbiological Method*, Buterworths Inc., London.
- Doan, N.T. and Tran, D.T., 2011, Synthesis, Antioxidant and Antimicrobial Activities of a Novel Series of Chalcones, Pyrazolic Chalcones, and Allylic Chalcones, *Sci. Res.*, 2, 282-288.
- Gupta, R., Gupta, J., and Jain, A., 2010, Improves Synthesis of Chalcones and Pyrazolines Under Ultrasonic Irradiation, *Indian J. Chem.*, 49, 351- 355.
- Hasan, A., Abbas, A. and Akhtar, M.N., 2011, Synthesis, Characterization and Fluorescent Property Evaluation of 1,3,5-Triaryl-2-pyrazolines, *Molecules*, 16, 7789-7802.
- Hasanah, M., 2004, Perkembangan Teknologi Budi Daya Adas (*Foeniculum vulgare* Mill.), *Jurnal Litbang Pertanian*, 23, 139-144.
- Hassan, S.Y., 2013, Synthesis Antibacterial and Antifungal Activity of Some New Pyrazoline and Pyrazole Derivatives, *J. Mol.*, 18, 2683-2711.
- Hoye, T.R., Paul, R.H. and James, R.V., 1994, A Practical Guide to First-Order Multiplet Analysis in ¹H-NMR Spectroscopy, *J. Org. Chem.*, 59, 4096-4103.
- Issa, S.A. and Ghulikah., H.A., 2002, A Novel Synthetic Route to 3,5-Diaryl-N-Formyl-2-Pyrazoline, *Asian J. Chem.*, 14, 16-22.
- Jacobsen, C.N., Nielsen, V.R., Hayford, A.E., Møller, P.L., Michaelsen, K.F., Parregaard, A., Sandstrom, B., Tvede, M. and Jakobsen, M., 1999, Screening of probiotic activities of forty-seven strains of *Lactobacillus sp.* by in-vitro techniques and evaluation of colonization ability of five selected strains in human, *Eurasia. J. Biosci.*, 65, 4949-4956.

- Kannan, R., Iyyaparaj,P. and Arumugam, R., 2013, *In vitro*, Cytotoxicity and Haemolytic Activities and Photochemical Analysis of Seagrass from the Gulf of Mannar South India, *Food Chem.*, 136, 1484-1489.
- Kusdarwati, R., Sari, L. dan Mukti, A.T., 2010, Daya Antibakteri Ekstrak Buah Adas (*Foeniculum vulgare*) Terhadap Bakteri *Micrococcus luteus* Secara *In vitro*, *Jurnal Inovasi Pendidikan Kimia.*, 2, 31-35.
- Kusumaningsih, T., 2010, Derivatisasi Anetol Hasil Isolasi Minyak Adas, *Teknosain*, 13, 247-261.
- Lear, J.C., Maillard, J.Y., Dettmar, P. W., Goddard, P. A. and Russell, A. D., 2002, Chloroxylenol- and Triclosan-tolerant Bacteria from Industrial Sources, *J. Ind. Micro. Biotech.*, 29, 238-242.
- Levai A. and Jeko J., 2007, Synthesis of Carboxylic Acid Derivatives of 2-pyrazolines, *ARKIVOC*, 1, 134-145.
- Mandge, S., Singh, H.P., Gupta, S.D. and Moorthy, N.S., 2007, Synthesis and Characterization of Some Chalcone Derivatives, *Trends Apl. Sci. Res.*, 21, 52-56.
- Nissen, P., Hansen, J., Ban, N., Moore, P.B. and Steitz, T.A., 2000, The Structural Basis of Ribosome Activity in Peptide Bond Synthesis, *Science*, 289, 920–930.
- Ozdemir, A., 2013, Synthesis and antimicrobial activity of some pyrazoline derivatives bearing amide moiety, *Med. Pharm. J.*, 17, 187-192.
- Patrick, G.L., 1995, *An Introduction to Medicinal Chemistry*, Oxford University Press Inc., New York.
- Pelzcar, M.J. and Chan, E. C. S., 2006, *Dasar-dasar Mikrobiologi*, UI Press, Jakarta.
- Petrov, O., Ivanova, Y., and Gerova, M., 2008, SOCl₂/EtOH: Catalytic system for synthesis of chalcones, *Catal. Commun.*, 9, 315-316.
- Prasadarao, K., Susuma, A.J.L. and Mohan, S., 2012, Synthesis, Characterization and Antibacterial Activity of Few Chalconess, *Int. J. Pharm. Bio. Sci.*, 3, 781-788.
- Raetz, C. R. H., 1993, Discovery of New Biosynthetic Pathway: Lipid A Story, *J. Bacteriol*, 178, 5745-5763.
- Rajput, A.P. and Girase, P.D., 2011, Synthesis Characterization and Microbial Screening of Pyrazoline Derivatives oh 2,6-Dichloro-1-(N-Subtituted Phenyl)-1,4-Dihydropiridinne-3,5-Dicarbaldehyde, *Int. J. Pharm. Pharm. Sci.*, 3, 214-218.

- Saga, T. and Yamaguchi, K., 2009, History of Antimicrobial Agents and Resistant Bacteria, *Japan Med. Assoc. J.*, 52 (2), 103-108.
- Sharshira, E.M. and Hamada, N.M.M., 2011, Synthesis and *In vitro* Antimicrobial Activity of Some Pyrazolyl-1-carboxamide Derivatives, *J. Mol.*, 16, 7736-7745.
- Sheetal, S., Devpura, A., Dulwat, M., Singh, J.P., Sumer, S., Chundawata and Dulawat S., 2012, Microwave mediated Solid phase synthesis of N-phenyl-3-(substituted phenyl)-5-aryl-2-pyrazolines and their antibacterial activity, *J. Chem. Biol. Psy. Sci.*, 2 (1), 37-42.
- Silverstein, R.M., Webster, F.X., and Kiemle, D.J., 2005, *Spectrometric Identification of Organic Compound*, John Wiley & Son Inc, New York.
- Singh, P., Negi, J.S., Singh, K., Pant, G.J., Rawat, M.S.M. and Joshi, G.C., 2012, Synthesis and Structure Dependent Photophysical Properties of Novel 2-pyrazolines, *J. of Struc. Mech.*, 162, 1977-1980.
- Snider, J.D., Troche, P.E., Woodruff, S.R., Gayathri, C., Travesky, N.C. and Gil, R.R., 2012, New Strategy for RDC-assisted Diastereopic Proton Using A Combination of J-scaled BIRD HSQC and J-scaled BIRD HMQC/HSQC, *Magn. Reson. Chem.*, 50, 86-91.
- Solanki, Prabha R., Sonar, Asish S. and Wadodkar, Krishna N., 2012, A Green Protocol For The Synthesis Of 5-(2-hydroxyphenyl)-3-Methyl-4-(1-Acetyl-5-Phenyl- Δ^2 -Pyrazolin-3-yl) Pyrazoles, *Int. J. of Chem. Env. Pharm. Res.*, 3, 19-23.
- Tortora, G.J., Funke, B.R., and Case, C.L., 2010, *Microbiology: an Introduction* 10th ed., Benjamin Cummings, San Francisco.
- Triyanto, A., 2013, Sintesis Pirazolina dari Vanilin dan Uji Aktivitasnya Sebagai Antibakteri, *Skripsi*, Jurusan Kimia FMIPA, Universitas Gadjah Mada, Yogyakarta.
- Wang, H., Zhang, L., Liu, J., Yang, Z., Teng, Y. and Peng, Y., 2015, Synthesis and Anti Cancer Activity Evaluation of Novel Prenylated and Geranylated Chalcone Natural Products And Their Analogs, *Euro. J. Med. Chem.*, 92, 439-448.
- Webber, M.A., 2008, Triclosan resistance in *Salmonella enterica* serovar Typhimurium, *J. Antimicrob. Chemother.*, 62, 83-91.
- Wijayanti, P.D., 2009, Hubungan Kepadatan Lalat dengan Kejadian Diare pada Balita yang Bermukim Sekitar Tempat Pembuangan Akhir (TPA) Sampah Bantar Gebang Tahun 2009, *Skripsi*, Program Sarjana Fakultas Kesehatan Masyarakat Universitas Indonesia, Depok.

- Yadav, R.C, Sharma, P.K. and Singh, J., 2013, Synthesis and biological activity of 4''-substituted-2-(4'-formyl-3'-phenylpyrazole)-4-phenyl thiazole, *J. of Chem. Pharm. Res.*, 5 , 78-84.
- Yazdankhah, S.P., Scheie, A.A., Hoiby, E.A., Lunestad, B.T., Heir, E., Fotland, T.O., Nartestad , K. and Kruse, H., 2006, Triclosan and Antimicrobial Resistance in Bacteria: an Overview, *Microb. Drug Resist.*, 12, 83-90.
- Yogesh, M., Goswami, A. and Mishra, P., 2013, Synthesis and Antioxidant Activity of Some Chalcones and Flavanoids, *Int. J. of Pharm. Res. Impact Factor*, 5, 811-818.