

DAFTAR PUSTAKA

- Abdullah, S., Karama, U., Mousa, A., Khan, Al-Mazroa, and Alkatlan, 2013, Simple and Efficient One Step Synthesis of Functionalized Flavanones and Chalcones Simple and Efficient One Step Synthesis of Functionalized. *Orient. J. Chem.* ,28, 619–626.
- Achanta, G., Modzelewska, A., Feng, L., Khan, S.R., and Huang, P., 2006, A Boronic-Chalcone Derivative Exhibits Potent Anti-Cancer Activity through Inhibition of the Proteasome. *Mol. Pharmacol.*, 1–28.
- Adesanwo, J., Shode, F., Aiyelaagbe, O., Oyede, R., and Baijnath, H., 2009, Isolation and Characterization of A New Chalcone from The Leaves Of Heteropyxis Natalensis. *J. Med. Med. Sci.* ,1, 28–32.
- Ahmed, M.R., Sastry, V.G., Bano, N., Ravichandra, S., and Raghavendra, M., 2011, Synthesis and Cytotoxic, Antioxidant Activites of New Chalcone derivatives. *Rasayan. J. Chem.* ,4, 289–294.
- Bano, S., Javed, K., Ahmad, S., Rathish, I.G., Singh, S., and Chaitanya, M., 2013, Synthesis of Some Novel Chalcones , Flavanones and Flavones and Evaluation of Their Anti-inflammatory Activity. *Eur. J. Med. Chem.* ,65, 51–59.
- British pharmacopoeia, 1988, *Br. pharmacopoeia* ,2, 137–140.
- Brock, T., Madigan, M., Martinko, J., and Parker, J., 1994, *Biology of Microorganism* 7th Ed., Prantice-Hall International Inc, New Jersey.
- Budimarwanti, C., 2004, Sintesis Senyawa Bibenxil dari Bahan Awal Vanilin Melalui Reaksi Wittig dan Hidrogenasi Katalitik. *Jurdik. Kim. FMIPA UNY* 34–39.
- Cabrera, M., Simoens, M., Falchi, G., Lavaggi, M.L., Piro, O.E., and Castellano, E.E., 2007, Synthetic Chalcones , Flavanones , and Flavones as Antitumoral Agents: Biological Evaluation and Structure – Activity Relationships. *Bioorg. Med. Chem.* ,15, 3356–3367.
- Champoux, J., Neidhart, F., Drew, W., and Plorde, J., 2004, *Medical Microbiology* 4th Ed., McGraw-Hill, New York.

- Chin, Y.-W., Jung, H.-A., Yue Liu, B.-N.S., Castoro, J.A., William J. Keller, M.A.P., and Kinghorn, A.D., 2007, Anti-oxidant Constituents of the Roots and Stolons of Licorice (*Glycyrrhiza glabra*). *J.Agric. Food.Chem.* ,44, 4691–4697.
- Cita, Y., 2011, Bakteri Salmonella typhi dan Demam Tifoid. *J. Kesehat. Masy.*,6, 42–46.
- Davis, W. and Stout, T., 1971, Disc Plate Method of Microbiological Antibiotic Assay. *Microbiol.* ,22, 659–665.
- Dawane, J. and Pathak, P., 2016, In Vitro Comparison of Generic and Branded Preparations of Amoxicillin with Potassium Clavulanate. *J. Clin. Diagnostic Res.* ,10, FC07-FC09.
- Eddarir, S., Cotelle, N., and Rolando, C., 2003, An Efficient Synthesis of Chalcones Based on The Suzuki Reaction. *Tetrahedron Lett.* ,44, 5359–5363.
- Farah, H., 2015, Sintesis 7-hidroksi-4'-metoksiflavanon dan Uji Sitotoksik Terhadap Sel Kanker Serviks (HeLa) dan Sel Kanker Kolon (WiDr) Secara In Vitro, *Tesis*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Fowler, Z.L., Shah, K., Panepinto, J.C., Jacobs, A., and Koffas, M.A.G., 2011, Development of Non-Natural Flavanones as Antimicrobial Agents. *PLoS. One* ,6, 4–8.
- Fukui, H., Goto, H., and Tabata, M., 1988, Two Antimicrobial Flavanones from the Leaves *Glycyrrhiza glabra*. *Chem.Pharm.Bull.* ,36, 4174–4176.
- Fukumoto, T., Ujita, K., Nakao, K., and Tamai, Y., 1997, Process For Producing 2,4-Dihydroxyacetophenone. *United States Pat.* ,96, 62–66.
- García-Álvarez, L., Holden, M.T.G., Lindsay, H., Webb, C.R., Brown, D.F.J., and Curran, M.D., 2011, Meticillin-Resistant Staphylococcus Aureus with a Novel Meca Homologue in Human and Bovine Populations in The UK and Denmark: A Descriptive Study. *Lancet Infect. Dis.* ,11, 595–603.
- Garcia, O. and Castillo, J., 2008, Update on Uses and Properties of Citrus Flavonoids : New Findings in Anticancer , Cardiovascular , and. *J.Agric. Food.Chem.* ,56, 6185–6205.
- Gray, J. and Fedora, J., 2002, *Salmonella Foodborne Disease*, Academic Press, San Fransisco.
- Grenwood, D., 1995, *Medical Microbiology* 4th Ed., ELBS, Hongkong.

- Handayani, S., Kristianingrum, S., dan Sunarto, 2005, Optimization Of Time Reaction and Hydroxide Ion Concentration on Flavonoid Synthesis From Benzaldehyde and its Derivatives. *Indones. J. Chem.* ,5, 163–168.
- Ismiyarto, Matsjeh, S., dan Anwar, C., 2001, Synthesis of Chalcone and Flavanone Compound Using Raw Material of Acetophenone and Benzaldehyde Derivatives. *Indones. J. Chem.*,4, 1–9.
- Jackson and White, 1881, Organic Synthesis : *p*-chlorobenzaldehyde. *J.Am. Chem.* ,3, 301.
- Jawetz, E., Brooks, G., Butel, J., and Morse, S., 2001, *Melnick & Adelberg's Medical Microbiology*, Appleton & Lange, New York.
- Jeon, J., Yang, D., and Jun, J., 2011, Selective Synthesis of 3,4-Dihydrocoumarins and Chalcones from Substituted Aryl Cinnamic Esters. *Bull. Korean Chem.*,32, 32–37.
- Kannan, L., Gobalakrishnan, R., Kulandaivelu, M., and Bhuvanewari, R., 2013, Screening of Wild Plant Species for Antibacterial Activity and Phytochemical Analysis of *Tragia Involucrata L* . *J. Pharm. Anal.* ,3, 460–465.
- Karimela, E.J., Ijong, F.G., dan Dien, H.A., 2017, Characteristics of Staphylococcus aureus Isolated Smoked Fish Pinekuhe from Traditionally Processed from Sangihe District. *Jphpi.* ,20, 1–11.
- Khan, S.A., Ahmad, B., and Alam, T., 2006, Synthesis and Antihepatotoxic Activity of Some New Chalcones Containing 1, 4 - dioxane Ring System. *Pak. J. Pharm. Sci.* ,19, 290–294.
- Kulkarni, P., Wagh, P., and Zubaidha, P., 2012, An Improved and Eco-Friendly Method for the Synthesis of Flavanone by the Cyclization of 2'-Hydroxy Chalcone using Methane Sulphonic Acid as Catalyst. *Chem. J.* ,2, 106–110.
- Mandge, S., Singh, H., Gupta, S., and Moorthy, H., 2007, Synthesis and characterization of Some Chalcone Derivatives. *Appl. Sci.Res.* ,2, 52–56.
- McMurry, 2010, *Organic Chemistry* 8th Ed., Brooks/cole Publishing Company, California.
- Miler, M., Živanović, J., Ajdžanović, V., Oreščanin-Dušić, Z., Milenković, D., Konić-Ristić, A., et al., 2016, Citrus Flavanones Naringenin and Hesperetin Improve Antioxidant Status and Membrane Lipid Compositions in The Liver Of Old-Aged Wistar Rats. *Exp. Gerontol.* ,84, 49–60.

- Mondal, R., Gupta, A. Das, and Mallik, A.K., 2011, Synthesis of Flavanones By Use Of Anhydrous Potassium Carbonate as An Inexpensive , Safe , and Efficient Basic Catalyst. *Tetrahedron Lett.* ,52, 5020–5024.
- Moore, C., Dhaliwal, J., Tong, A., Eden, S., Wigston, C., Willey, B., and McGeer, A., 2008, Risk Factors for Methicillin-Resistant Staphylococcus aureus (MRSA) Acquisition in Roommate Contacts of Patients Colonized or Infected With MRSA in an Acute-Care Hospital. *Infect. Control Hosp. Epidemiol.* ,29, 600–606.
- Morrison, R. and Boyd, R., 1992, *Organic Chemistry* 7th Ed., Prentice Hall, New Jersey.
- Na, M.K., Jang, J.P., Njamen, D., Mbafor, J.T., Fomum, Z.T., and Kim, B.Y., 2006, Protein Tyrosine Phosphatase-1B Inhibitory Activity Of Isoprenylated Flavonoids Isolated From *Erythrina Mildbraedii*. *J. Nat. Prod.* ,69, 1572–1576.
- Noviyanti, E., 2014, Sintesis dan Uji Aktivitas Antibakteri Secara In Vitro Turunan Kloropirazolina Berbahan Dasar Vanilin, *Tesis*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Oldoni, T.L.C., Cabral, I.S.R., D’Arce, M.A.B.R., Rosalen, P.L., Ikegaki, M., Nascimento, A.M., and Alencar, S.M., 2011, Isolation and Analysis of Bioactive Isoflavonoids And Chalcone From A New Type of Brazilian Propolis. *Sep. Purif. Technol.* ,77, 208–213.
- Pasquale, G., Romanelli, G.P., Autino, J.C., García, J., Ortiz, E. V., and Duchowicz, P.R., 2012, Quantitative Structure-Activity Relationships of Mosquito Larvicidal Chalcone Derivatives. *J. Agric. Food Chem.* ,60, 692–697.
- Patil, C.B., Mahajan, S.K., and Katti, S.A., 2009, Chalcone: A Versatile Molecule. *J. Pharm. Sci. Res.* ,1, 11–22.
- Patrick, C.C., Gaur, A.H., Mccullers, J.A., Flynn, P.M., Pearson, T.A., and Razzouk, B.I., 2001, Bacillus cereus Bacteremia and Meningitis in Immunocompromised Children. *Major Artic.* ,32,.
- Pavia, D.L., Lampman, G.M., Kriz, G.M., and Vyvyan, J.R., 2009, *Introduction to Spectroscopy* 4th Ed., Brooks/cole, Belmont.

- Peterson, J.J., Beecher, G.R., Bhagwat, S.A., Dwyer, J.T., Gebhardt, S.E., Haytowitz, D.B., and Holden, J.M., 2006, Flavanones In Grapefruit, Lemons, and Limes: A Compilation And Review of The Data From The Analytical Literature. *J. Food Compos. Anal.* ,19, 74–80.
- Prasad, Y.R., Rao, A.L., and Rambabu, R., 2008, Synthesis and Antimicrobial Activity of Some Chalcone Derivatives.,*E- J.Chem.* ,5, 461–466.
- Qian, H., Wang, Y., and Liu, D., 2013, Ultrasound-Accelerated Synthesis of Substituted 2 ' - Hydroxychalcones by Reusable Ionic Liquids. *Ind. Eng. Chem. Res.* 13272–13275.
- Raetz, C.R.H., 1993, Bacterial endotoxins: Extraordinary lipids that activate eucaryotic signal transduction. *J. Bacteriol.* ,175, 5745–5753.
- Rifqi, A., 2018, Sintesis Khalkon, Flavon, dan Flavanon dari Veratraldehida Serta Uji Sitotoksitasnya Terhadap Sel Kanker HeLa, WiDr. T47D dan MCF-7 Secara In Vitro, *Tesis*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Safavi, M., Esmati, N., Ardestani, S.K., Emami, S., Ajdari, S., and Davoodi, J., 2012, Halogenated Flavanones As Potential Apoptosis-Inducing Agents: Synthesis And Biological Activity Evaluation. *Eur. J. Med. Chem.* ,58, 573–580.
- Shockman, G.D. and Barrett, J.F., 1983, and Assembly of Cell Walls of Gram-Positive. *Ann. Rev. Microbiol.* ,37, 132–134.
- Srinivasan, R., Prasad, Y.R., Kumar, P.P., and Kumar, P.R., 2008, Synthesis and Antimicrobial Activity of Some New Chalcones of 2-Acetyl Pyridine.*E- J.Chem.* ,5, 144–148.
- Srivastava, Y.K., 2008, Ecofriendly microwave assisted synthesis of some chalcones. *Rasayan J. Chem.* ,1, 884–886.
- Syam, S., Abdelwahab, S.I., Al-mamary, M.A., and Mohan, S., 2012, Synthesis of Chalcones with Anticancer Activities. *Molecules* ,17, 6179–6195.
- Tam, C., 2008, *Salmonella : Description, Pathogenesisid and Symptoms*, Academic Press, San Fransisco.
- Thomas, P., 2004, *Bacteria and Viruses*, Lucent Books, New York.
- Tortora, G., Funke, B., and Case, C., 2010, *Microbiology : An Introduction* 10th Ed., Benjamin Cummings, San Fransisco.

- Tran, T., Nguyen, T., Do, T., Huynh, T., Tran, C., and Thai, K., 2012, Synthesis and Antibacterial Activity of Some Heterocyclic Chalcone Analogues Alone and in Combination with Antibiotics. *Molecules* ,17, 6684–6696.
- Usman, H., Jalaluddin, M.N., Harlim, T., H Hakim, E., A Achmad, dan S., Syah, Y.M., 2006, Senyawa Kalkon Baru Bersifat Anti-Bakteri Dari Tumbuhan *Cryptocarya Costata* (Lauraceae). *Berk. MIPA 161 Januari* ,16, 37–40.
- Ward, F.E., Garling, D.L., and Buckler, R.T., 1981, Antimicrobial 3-Met hylene flavanones. *J. med. Chem.* ,718, 1073–1077.
- Yogesh, C., Joshi, P., Choudary, A., and Saini, K., 2005, Solvent Free Synthesis of Chalcones and their Antibacterial Activities. *E- J.Chem.*,2, 224–227.