

DAFTAR PUSTAKA

- Abdullah, E.S., 2011, Synthesis and Anticancer Activity of Some Novel Tetralin-6-yl-pyrazoline, 2-Thioxypyrimidine, 2-Oxopyridine, 2-Thioxo-pyridine, and 2-Iminopyridine Derivatives, *Molecules*, 16, 3410-3419.
- Aichoui, H., Guenadil, F., Kapanda, C.N., Lambert, D.M., McCurdy, C.R., and Poupaert, J.H., 2009, Synthesis and Pharmacological Evaluation of Antioxidant Chalcone Derivatives of 2(3H)-benzoxazolones, *Med. Chem. Res.*, 18, 467-476.
- Anonim, 2012, *GLOBOCAN Cancer Fact Sheets: All Cancers*, <http://globocan.iarc.fr/old/FactSheets/cancers/all-new.asp>, diakses pada tanggal 6 April 2017.
- Arifani, P.S.R, 2015, Sintesis dan Uji Aktivitas Antibakteri Senyawa Turunan N-Formil-2-Pirazolina Tersubstitusi Gugus Hidroksi dari p-Anisaldehyda, *Skripsi*, Departemen Kimia FMIPA UGM, Yogyakarta.
- Azarifar, D., and Shaebanzadeh, M., 2002, Synthesis and Characterization of New 3,5-Dinaphthyl Substitued 2-Pyrazolines and Study of Their Antimicrobial Activity, *Molecules*, 7, 885-895.
- Bai, X., Shi, W.Q., Chen, H.F., Zhang, P., Li, Y., and Yin, S.F., 2012, Synthesis and Antitumor Activity of 1-Acetyl-3-(4-phenyl)4,5-dihydro-2-pyrazoline-5-phenylursolate and 4-Chalcone Ursolate Derivatives, *Chem. Nat. Compd.* 48, 60-65.
- Burdall, E.S., Hanby, M.A., Landsdown, R.J.M. and Speirs, V., 2003, Breast Cancer Cell Line, *Breast Cancer Res.*, 5(2), 89-95.
- Cheng, P., Huan, Q., Sun, J., Yang, Z., and Zhu, H.L., 2010, Synthesis and Biological Evaluation of Pyrazole Derivative of Another Colon Adenocarcinoma Cell Line, WiDr, *Cancer Genetic, Cytogenet.*, 27(1), 125-134.
- Choudary, A.N. and Juyal, V., 2011, Synthesis of Chalcone and Their Derivatives as Antimicrobial Agents, *Int. J. Pharm. Pharm. Sci.*, 3, 0975-1491.
- Clayden, J., Greeves, N., and Warren, S., 2012, *Organic Chemistry*, Oxford University Press Inc., New York.
- Divekar, K., Swamy, S. and Murugan, V., 2014, Synthesis, Characterization and Anticancer Activity of Some Novel Pyrazoline Derivates, *Int. J. Pharm. Phytopharmacol. Res.*, 3(6), 447-450.

- Doyle, A. and Griffith, J.B., 2000, *Cell and Tissue Culture For Medical Research*, John Wiley and Sons Ltd., New York.
- Dyrager, C., 2012, Design and Synthesis of Chalcone and Chromone Derivatives as Novel Anticancer Agents, *Disertasi*, Departement of Chemistry University of Gothenburg, ???.
- Geran, R.I., Greenberg, N.H., MacDonald, M.M., Schumacher, A.M. and Abbott, B.J., 1972, Protocol for Screening Chemical Agents and Natural Product Against Animal Tumors and Other Biological System, *Cancer Chemother. Rep.*, 3, 59-61.
- Handayani, S., Arianingrum, R., dan Haryadi W., 2013, Aktivitas Antioksidan dan Antibakteri Turunan Benzalaseton, *Jurnal Penelitian Saintek*, 18(1), 71-83
- Harvian, Z.A., 2016, Synthesis and Citotoxicity Assay of Chalcone and Pyrazoline Compounds from 4-Chloroacetophenone and 4-Dimethylamino benzaldehyde, *Undergraduate Tesis*, Chemistry Departement FMIPA UGM, Yogyakarta.
- Hasanah, M., 2004, Perkembangan Teknologi Budi Daya Adas (*Foeniculum vulgare* Mill.), *J. Litbang Pert.*, 23 (4), 139-144.
- Hutabarat, Y.F, 2014, Synthesis of N-Phenyl Pyrazoline Derivatives from Anise Seed Oil as Antimicrobial Candidates, *Undergraduate Tesis*, Chemistry Departement FMIPA UGM, Yogyakarta.
- Jasril, Teruna, H.Y., Zamri, A. and Alfatos, D., 2012, Sintesis dan Uji Antibakteri Senyawa Bromo Kalkon Piridin, *Jurnal Natur Indonesia*, 14(3), 172-175.
- Jayapal, M.R. and Sreedhar, N.Y., 2010, Synthesis and characterization of 4-hydroxychalcones by aldol condensation using $\text{SOCl}_2/\text{EtOH}$, *Int. J. Curr. Pharm. Res.*, 2(4), 2-4.
- 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
- Kusumadewi, S.W., 2011, Uji Efek Antiproliferatif Senyawa Eugenol Terhadap Kultur Sel Kanker Serviks (HeLa Cell Line), *Skripsi*, Fak. Kedokteran UIN Jakarta.
- Kusumaningsih, T., 2010, Derivatisasi Anetol Hasil Isolasi Minyak Adas, *Teknosain*, 13, 247-261
- Lee, M., Brockway, O., Dandavati, A., Tzou, S., Sjolholm, R., Satam, V., Westbrook, C., Mooberry, S.L., Zeller, M., Babu, B., and Lee, M., 2011, A Novel Class of Trans-methylpyrazoline Analogs of Combre Tastatins:

- Synthesis and In-vitro Biological Testing, *Eur. J. Med. Chem.*, 46, 3099-3104.
- Matsjeh, S., 2004, Sintesis Flavanoid: Potensi metabolit Sekunder Aromatik Dari Sumber Daya Alam Nabati Indonesia, *Pidato Pengukuhan Jabatan Guru Besar*, Departemen Kimia FMIPA UGM, Yogyakarta.
- Meiyanto, E., Aupardjan, Da'i M., dan Agustina, D., 2008, Ekstrak Etanolik Biji Buah Pinang (*Areca eatcchu L.*), *Jurnal Kedokteran Yarsi*, 14(1), 11-15.
- Patel, N.B., Patel, J.C., and Barat, G.G., 2012, In Vitro Evaluation of The Antibacterial and Antifungal Activity of Some New Pyrazolylquinazolin-4(3H)-one Derivatives, *Med. Chem. Res.*, 21, 229-238.
- Prasad, Y.R., Rao, A.S., and Rambabu, R., 2009, Synthesis of Some 4'-Amino Chalcones and Their Inflammatory and Antimicrobial Activity, *Asian, J. Chem.*, 21(2), 907-914.
- Putra, I.D., 2016, Synthesis of 1-Acetylpyrazoline Derivative from *p*-Anisaldehyde and 4-Hydroxyacetophenone and its Citotoxicity Assay Against Several Cancer Cells, *Undergraduate Tesis*, Chemistry Departement FMIPA UGM, Yogyakarta.
- Rai, U.S., Isloor, A.M., Shetty, P., Pai, K.S.R., and Fun, H.K., 2015, Synthesis and In Vitro Biological Evaluation of New Pyrazole Chalcones and Heterocyclic Diamides as Potential Anticancer Agents, *Arab. J. Chem.*, 8, 317-321.
- Rao, N.S., Kistareddy, C., Bhavani, B., and Bhavani, R., 2013, Synthesis, Antibacterial, and Antifungal Activity of Some Novel Chalcones Derivatives Derived from Apocynin, *Chem. J.*, 3(6), 143-148.
- Renaldo, B.R., 2017, Synthesis and Anticancer Assay of Chalcone and N-Hidrogen Pyrazoline Compound from 4-Hydroxyacetophenone and 4-Dimethylamino benzaldehyde, *Undergraduate Tesis*, Chemistry Departement FMIPA UGM, Yogyakarta.
- Saxena, H.O., Faridi, U., Kumar, J.K., Luqman, S., Darokar, M.P., Shanker, K., Chanotiya, C.S., Gupta, M.M., and Negi, A.S., 2007, Synthesis of Chalcone Derivatives on Steroidal Framework and Their Anticancer Activity, *Steroids*, 72, 892-900.
- Schmalz, G. and Arenholt-Bindslev, H., 2009, *Biocompatibility of Dental Materials*, Springer-Verlag, ???.
- Shaikh, G. and Master, H., 2014, Comparative Analysis of Synthesis of A Few Novel 2-Pyrazoline Derivatives, *Am. J. Pharm. Health Res.*, 2(11), 2321-3647.

- Sharma, M., Sharma, S., Buddhiraja, A., Saxena, A.K., Nepali, K. and Bedi, P.M.S., 2014, Synthesis and Cytotoxicity Studies of 3,5-diaryl N-acetylpyrazoline-istain Hybrids, *Med. Chem. Res.*, 23, 4337-4344.
- Sieuwert, A.M., Klijn, J.G.M., Peters, H.A., and Fockens, J.A., 1995, The MTT Tetrazolium Salt Assay Scrutinized: How to Use this Assay Reliable to Measure Metabolic Activity of Cell Culture In vitro For The Assesment of Growth Characteristics, IC₅₀-Values and Cell Survival, *J. Clin. Chem.Clin. Biochem.*, 33, 813-823.
- Susanti, E.V.H. dan Redjeki, T., 2011, Optimasi Sintesis Kalkon dari Veratraldehida dan 2,4-dihidroksiasetofenon, *Prosiding Seminar Nasional Kimia dan Pendidikan Kimia III*, Surakarta, 7 Mei 2011.
- Taj, T., Kamble, R.R., Gireesh, T.M., Hunnur, R.K., and Margankop, S.B., 2011, One-pot Synthesis of Pyrazoline Derivatised Carbazoles as Antitubercular, Anticancer Agents, Their DNA Cleavage and Antioxidant Activities, *Eur. J. Med. Chem.*, 46, 4366-4373.
- Tao, X., Duan, Y., Chen, L.W., Tang, D.J., Yang, M.R., Wang, P.F., Xu, C., and Zhu, H.L., 2016, Bioorganic & Medicinal Chemistry Letters Design, synthesis and biological evaluation of pyrazolyl- nitroimidazole derivatives as potential EGFR / HER-2 kinase inhibitors, *Bioorg. Med. Chem. Lett.*, 26(2), 677-683.
- Tiwari, B., Pratapwar, A.S., Tapas, A.R., Butle, S.R., and Vatkar, B.S., 2011, Synthesis and Antimicrobial Activity of Some Chalcone Derivatives, *Int. J. Chem. Tec. Res.*, 2(1), 499-503.
- Tjitda, P.J.P., 2015, Sintesis dan Uji Antibakteri Senyawa Pirazolina N1-Hidrogen dan N1-Benzoil dari Vanilin dan Veratraldehida, *Tesis*, Departemen Kimia FMIPA UGM, Yogyakarta.
- Venkataraman, S., Jain, S., Shah, K., and Upmanyu, N., 2010, Synthesis and Biological Activity of Some Novel Pyrazolines, *Acta. Pol. Pharm.*, 67(4), 361-366.