

DAFTAR PUSTAKA

- Adersen, A., Smitt, U. W., Simonsen, H. T., Christensen, S. B., and Jaroszewski, J. W., 2007, Prenylated Acetophenones from *Melicope obscura* and *Melicope obtusifolia* ssp. *obtusifolia* var. *arborea* and their distribution in Rutaceae, *Biochemical Systematics and Ecology*, **35**, 447-453.
- Ahond, A., Picot, F., Potier, P., Poupat, C., Sevenet, T., 1978, Alcaloides de *Melicope leratii*, *Phytochemistry*, **17**, 166-167.
- Ahsan, M.A., Gibbons, J.A., and S, Gray., 1994, Novel O-prenylated flavonoids from two varieties of *Bornoia coerulescens*, *Phytochemistry*, **37**: 259-266.
- Ali, H. A., Chowdhury, A. K. A., Rahman, A. K. M., Borkowski, T., Nahar, L., dan Sarker, S. D., 2008. Pachypodol, a Flavonol from the Leaves of *Calycopteris floribunda*, Inhibits the Growth of CaCo 2 Colon Cancer Cell Line *in vitro*, *Phytother. Res.* **22**, 1684–1687.
- Ali, M.S., Pervez, M.K., Saleem, M., Rasool, B.T., 2001, Haplophytin-A and B: the alkaloid constituents of *Haplophyllum acutifolium*, *Phytochemistry*, **57**: 1277-1280.
- Ali, N. A. M., Rahmani, M., Shaari, K., Ismail, H. B. M., Sukari, M. A., Ali, A. M., 2006, Chemical constituents of leaves and barks of *Melicope hookeri* T.G.Hartley, *Pertanika Journal Science & Technology*, **14**, 75–80.
- Brader, G., Bacher, M., Greger, H., and Otmar, H., 1996, Pyranoquinolones and acridones from *Vepris bilocularis*, *Phytochemistry*, **42**: 881-884.
- Cambie, R.C., Pan, Y.J., Bruce, F.B., 1996, Flavonoids of the Barks of *Melicope simplex* and *Melicope ternata*, *Biochemical Systematics and Ecology*, **24**, 461-462.
- Cantrell, C.L., Schrader, K.K., Mamonov, L.K., Sitpaeva, G.T., Kustova, T.S., Dunbar, C., and D.E, Wedge., 2005, Isolation and Identification of Antifungal and antialgal alkaloids from *Haplophyllum sieversii*, *Journal Agriculture Food Chemistry*, **53**: 7741-7748.
- Carey, F.A., 2000, *Organic Chemistry*, Edisi ke IV, United States of America, 382-390.
- CCRC (Community College Research Center), 2009, *Prosedur Tetap Uji Sitotoksik Metode MTT*, Yogyakarta : Fakultas Farmasi, UGM.
- Chan, J. A., Shultis, E. A., Carr, S. A., DeBrosse., W., Eggleston, D. S., Francis, T. A., Hyland, L. J., Johnson, W. P., Killmer, L. B., Staiger, D. B., and Westley, J. W., 1989, Novel Phloroglucinols from the Plant *Melicope sessiliflora* (Rutaceae), *Journal. Organic. Chemistry.*, **54**, 2098-2103.
- Chen, I. S., Duh, Y.C., Huang, H.Y., Ih, S.C., 2003, Furoquinoline Alkaloids and Cytotoxic Constituents from the Leaves of *Melicope semecarpifolia*, *Planta Medica*, **69**, 542-546.

- Chen, J.-J., Duh, C.-Y., Huang, H.-Y., and Chen, I.-S., 2008, Furoquinolin Alkaloid and Cytotoxic Constituents from the Leaves of *Melicope semecarpifolia*, *Planta Medica*, **69**, 542-546.
- Chung, L. Y., Yap, K. F., Goh, S. H., Mustafa, M. R., and Imiyabir, Z., 2008, Muscarinic Receptor Binding Activity of Polyoxygenated Flavones from *Melicope subunifoliolata*, *Phytochemistry*, **69**, 1548–1554.
- Chunyan, C., Bo, S., Ping, L., Jingmei, L., Yoichiro, I., 2009, Isolation and Purification of Psoralen and Bergapten from *Ficus carica* L. Leaves by High-Speed Countercurrent Chromatography, *Journal of Liquid Chromatography & Related Technologies*, **32**: 136-143.
- Dewick, P. M., 2009, *Medicinal Natural Products: A Biosynthetic Approach*, John Wiley and Sons, Edisi ke III, Inggris, 395-398.
- Donnell, F.O., Ramachandran, V.N., Smyth, T.J.P., Smyth, W.F., P.Brooks, 2009, An investigation of bioactive phytochemicals in the leaves of *Melicope vitiflora* by electrospray ionisation ion trap mass spectrometry, *Analytica chemica acta*, **634**, 115-120.
- Fitriyah, I., 2017, Isolasi Senyawa Kumarin Terisoprenilasi dari Buah *Melicope latifolia* T.G Hartley dan Bioaktivitasnya terhadap Antihepatitis, *Skripsi*, Departemen Kimia, Fakultas Sains dan Teknologi, Universitas Airlangga.
- Geissman, T.A., 1958, Constituents of *Melicope sarcococca* Laut, *Senior Fulbright Scholar*, **1958**, 377-382.
- George, S., Nair, S. A., Johnson, A. J., Venkataraman, R., Baby, S., 2015, O-prenylated flavonoid an antidiabetes constituent in *Melicope lunu-ankenda*, *Journal of Ethnopharmacology*, **168**, 158–163.
- George, S., Venkataraman, R., and Sabulal, B., 2016, Melicodenine I, a new quinolinone alkaloid from *Melicope denhamii* leaves, *Natural Product Research*, (article in press): 1-7, <https://doi.org/10.1080/14786419.2016.1253075>.
- Hakim, E.H., Juliawaty, L.D., Syah, Y.M. and Achmad, S.A. (2005). “Molecular diversity of *Artocarpus champeden* (Moraceae): a species endemic to Indonesia”, *Molecular Diversity*, **9(1-3)**, 149-158.
- Hartley, T.G., 2001, On the Taxonomy and Biogeography of *Eudia* and *Melicope* (Rutaceae), *National Tropical Botanical Garden*, **PP**, 1-328.
- Heyne, K., 1987. Tumbuhan Berguna Indonesia, terjemahan Badan Litbang Kehutanan, Jilid III, Cetakan kesatu, Badan Penelitian dan Pengembangan Kehutanan, Departemen Kesehatan.
- Higa, M., Imamura, M., Ogihara, K., Suzuka, T., 2013, Isolation of Five New Flavonoids from *Melicope triphylla*, *Chemistry Pharmaceutical Bulletin*, **61**, 384-389.

- Ho, S. H., Wang, J., Sim, K. Y., Ee, G. C. L., Imiyabir, Z., Yap, K. F., Shaari, K., and Goh, S. H., 2003, Meliternatin: a Feeding Deterrent and Larvicidal Polyoxygenated Flavone from *Melicope subunifoliolata*, *Phytochemistry*, **62**, 1121–1124.
- Intekhab, J., Aslan, M., 2009, Isolation of Flavonoid from *Feronia Limonia*, *J. of Saudi Chem. Soc.*, **13**, 295-298.
- Issmaili, S., Pique, V., Galy, J.-P., and R. Faure., 1999, ¹H and ¹³C chemical shifts of 4,5-disubstituted acridine derivatives, *Magnetic Resonance in Chemistry*, **37**: 591-593.
- Ito, C., Itoigawa, M., Takakura, T., Ruangrunsi, N., Enjo, F., Tokuda, H., Nishino, H., and Furukawa, H., 2003, Chemical Constituents of *Garcinia fusca*: Structure Elucidation of Eight New Xanthenes and Their Cancer Hemopreventive Activity, *Journal National Product*, **66 (2)**, 200-205.
- Johnson, A. J., Kumar, R. A., Rasheed, S. A., Chandrika, S. P., Chandrasekhar, A., Baby, S., 2010, Antipyretic, analgesic, anti-inflammatory and antioxidant activities of two major chromenes from *Melicope lunu-ankenda*. *Journal of Ethnopharmacology*, **130**, 267–271.
- Kamperdick, C., Van Hong, N., Van Sung, T., Adam, G., 1999, Bisquinolinone alkaloids from *Melicope ptelefolia*, *Phytochemistry*, **50**, 177-181.
- Kamperdick, C., Van, N. H., Sung, T. V., and Adam, G., 1997, Benzopyran from *Melicope ptelefolia* Leaves, *Phytochemistry*, **45(5)**, 1049-1056.
- Kassim, N. K., Rahmani, M., Ismail, A., Sukari, M. A., Ee, G. C. L., Nasir, N. M., Awang, K., 2013, Antioxidant activity-guided separation of coumarins and lignan from *Melicope glabra* (*Rutaceae*), *Food Chemistry*, **139**, 87–92.
- Khoirurisqi, I.M., 2018, Isolasi Senyawa Flavonoid dari Kulit Batang *Melicope lunu-ankenda* dan Uji Antioksidan terhadap Radikal DPPH, *Skripsi*, Departemen Kimia, Fakultas Sains dan Teknologi, Universitas Airlangga.
- Kiplimo, J.J., Islam, Md.S., Neil, A.K., 2011, A Novel Flavonoid and Furoquinoline alkaloids from *Vepris glomerate* and Their Antioxidant activity, *Natural Product Chemistry*, **6 (12)**: 1847-1850.
- Komala, I., Rahmani, M., Sukari, M. A., Ismail, H. B. M., Ee, G. C. L., & Rahmat, A., 2006, Furoquinoline alkaloids from *Melicope bonwickii* (F. Muell.) T. Hartley, *Natural Product Research*, **20**, 355- 360.
- Kubitzki, K., 2011, The families and Genera of Vascular Plants, *Springer*, **X**, 1-448.
- Latif, Z., Hartley T. G., Rice, M. J., Waigh, R. D., and Waterman, P. G., 1998, Isobutylamides and Coumarins from *Melicope melanophloia*, *Biochemical Systematics and Ecology*, **26**, 467-468.
- Latip, J., Hartley, T. G., and Waterman, P. G., 1999, Lignans and Coumarins Metabolites from *Melicope hayesii*, *Phytochemistry*, **40**, 107-110.

- Liu, T., Liao, H., Yuan, K., Yanbiang, Z., 2012, A new flavone from the *Melicope patulinervia* (Merr. & Chun) Huang, *Journal of Chemical Research*, **31**, 31-33.
- Luo, Y., He, Z., and Li, H., 2007, 2-Aryl Benzofurans and Their Derivatives from Seeds of *Styrax macranthus*, *Fitoterapia*, **78**: 211-214.
- Muyard, F., Bissoue, A.N., Bevalot, F., Tillequin, F., Cabalions, P., and Vaquette, J., 1996, Acetophenones and Other Constituents from the Roots of *Melicope erromangensis*, *Phytochemistry*, **42(4)**, 1175-1179.
- Nakashima, K. I., Oyama, M., Ito, T., Witono, J. R., Darnaedi, D., Tanaka, T., Murata, J., Iinuma, M., 2011, Melicodenines A and B, novel Diels–Alder type adducts isolated from *Melicope denhamii*, *Tetrahedron Letter*, **52**, 4694–4696.
- Nakashima, K. I., Oyama, M., Ito, T., Witono, J. R., Darnaedi, D., Tanaka, T., Murata, J., Iinuma, M., 2012a, Novel Zierane- and Guaiane-Type Sesquiterpenes from the Root of *Melicope denhamii*, *Chemistry and Biodiversity*, **9**, 2195-2202.
- Nakashima, K. I., Oyama, M., Ito, T., Witono, J. R., Darnaedi, D., Tanaka, T., Murata, J., Iinuma, M., 2012b, Novel quinolinone alkaloids bearing a lignoid moiety and related constituents in the leaves of *Melicope denhamii*, *Tetrahedron Letter*, **68**, 2421-2428.
- Nakashima, K., Oyama, M., Ito, T., Murata, H., Munekazu, I., 2011, New Furanocoumarins From The Fruits Of *Melicope triphylla*, *Heterocycles*, **83(7)**, 1603-1610.
- Nam, K-W., Je, K-H., Shin, Y-J., Kang, S. S., and Mar, W., 2005, Inhibitory Effects of Furoquinoline Alkaloids from *Melicope confusa* and *Dictamnus Albus* against Human Phosphodiesterase 5 (hPDE5A) In Vitro, *Archives of Pharmacal Research*, **28(6)**, 675-679.
- Nomura, T., Hano, Y., Aida, M., 1998, Isoprenoid Substituted Flavonoids from *Artocarpus Plants* (Moraceae), *Heterocycles*, **47(2)**, 1179-1205.
- Oyama, M., Nakashima, K., Kamiya, T., Haba, M., Ito, T., Murata, H., Tanaka, T., Adachi, T., Iinuma, M., Kinoshita, T., 2013, Flavonoids isolated from the leaves of *Melicope triphylla* and their extracellular-superoxide dismutase-inducing activity, *Phytochemistry*, **6**, 215-218.
- Parsons, I. C., Gray, A. I., Hartley, T. G., and Waterman, P. G., 1994, Acetophenones and Coumarin from Stem Bark and Leaves of *Melicope stipitata*, *Phytochemistry*, **37(2)**, 565-570.
- Primastuti, H.D., 2017, Isolasi Senyawa Benzopiran dari Buah *Melicope latifolia* dan Uji Antifeedant terhadap Ulat Kubis, *Skripsi*, Departemen Kimia, Fakultas Sains dan Teknologi, Universitas Airlangga.
- Rahman, A., 2018, Isolasi Senyawa Flavonoid pada Kulit Batang *Melicope quercifolia* dan Uji aktivitas Antioksidan, *Skripsi*, Departemen Kimia, Fakultas Sains dan Teknologi, Universitas Airlangga.

- Rasamison, V.E., Brodie, P.J., Merino, E.F., Cassera, M.B., Ratsimbason, M.A., Rakotonandrasana, S., Rakotondrafara, A., Rafidinarivo, E., Kingston, D.G.I., Herinatenaina, L.R., 2016, Furoquinoline Alkaloids and Methoxyflavones from the Stem Bark of *Melicope madagascariensis* (Baker) T.G. Hartley, *Natural Product Bioprospect*, 1-8.
- Roziqin, F.K., 2017, Isolasi dan Identifikasi Senyawa Benzopiran dari Buah *Melicope denhamii* serta Uji Antikanker, *Skripsi*, Departemen Kimia, Fakultas Sains dan Teknologi, Universitas Airlangga.
- Saputri, R.D., Tjahjandarie, T.S., Mulyadi, T., 2018, Meliglabrin, A New Flavonol Derivative from the leaves of *Melicope glabra* (Blume) T.G. Hartley, *Natural Product Sciences*, **24(3)** : 155-158.
- Saputri, R.D., Tjahjandarie, T.S., Mulyadi, T., 2019, Two novel coumarins bearing an acetophenone derivative from the leaves of *Melicope Quercifolia*, *Natural Product Research*, (article in press): 1-6, <https://doi.org/10.1080/14786419.2019.1644634>.
- Shaari, K., Suppaiah, V., Wai, L.K., Stanslas, J., Tejo, B.A., Israf, D.A., Abas, F., Ismail, I.S., Shuaib, N.H., Zareen, S., Nordin, H.J.L., 2011, Bioassay-guided identification of an anti-inflammatory prenylated acylphloroglucinol from *Melicope ptelefolia* and molecular insights into its interaction with 5-lipoxygenase, *Bioorganic & Medicinal Chemistry* , **19**, 6340-6347.
- Simonsen, H. T., 2012, Four novel geminally dialkylated, non-aromatic acetophenone derivatives from *Melicope coodeana*, *Phytochemistry Letters*, **5**, 371–375.
- Simonsen, H. T., Adsersen, A., Smitt, U. W., Strasberg, D., and Jaroszewski, J. W., 2003, Methoxyflavones from *Melicope borbonica* and *M. obscura* (Rutaceae), *Biochemical Systematics and Ecology*, **31**, 327–330.
- Sridechakorn, Ittipon., Laphookhieo, Surat., 2012, Chemical Constituents From *Feronia Limonia* Roots, *Chemistry of Natural Compounds*, **48(2)**, 2-4.
- Sultana, N., Hartley, T. G., and Waterman, P. G., 1999, Two Novel Prenylated Flavones from the Aerial Parts of *Melicope micrococca*, *Phytochemistry*, **49**, 1249-1253.
- Tanjung, M., Saputri, R.D., Wahjoedi, R.A., Tjitjik, S.T., 2017, 4-Metoxi-3-(3-methylbut-2-en-1-yl)-7-[3-methylbut-2-en-1-yl]oxy]quinolin-2(1H)-one from *Melicope moluccana* T.G.Hartley, *Molbank*, **M939**, 1-5.
- Tillequin, F., Baudouin, G., and Koch, M., 1982, Synthesis of Melineurine and Evellerine, *Journal of Natural Products*, **46(1)**, 132-134.
- Tjahjandarie, T.S., Saputri, R.D., Wahjoedi, R.A., and Mulyadi T., 2018, Melimoluccanin, A new isoprenylated quinolone alkaloid from the leaves of *Melicope moluccana* T.G. Hartley, **1095**: 1-9.
- Tsai, I. L., Wu, S. J., Tsutomu, I., Seki, H., Yan, S. T., Chen, I. S., 1995, Evomerrine from *Melicope semecarpifolia*, *Phytochemistry*, **40**, 1561-1562.

Xu, J.-F., Zhao, H.-J., Wang, X.-B., Li, Z.-R., Luo, J., Yang, M.-H., Yang, L., Yu, W.-Y., Yao, H.-Q., Luo, J.-G., and Kong, L.-Y., 2015, (±)-Melicolones A and B, Rearranged Prenylated Acetophenone Stereoisomers with an Unusual 9-Oxatricyclo[3.2.1.1^{3,8}]nonane Core from the Leaves of *Melicope ptelefolia*, *Organic Letters*, **17**, 146-149.