

CURRICULUM VITAE

Name : SUBEHAN AMBO LALLO
Professor of Phytochemistry, Faculty of Pharmacy,
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Home : Nusa Tamalanrea Indah FE no. 11, Makassar, Indonesia.

Current position : Vice Rector of Planning, Development and Financial Affairs
Hasanuddin University, Indonesia.



EDUCATIONAL BACKGROUND

- Doctoral Degree (Ph.D)

Division of Natural Product Chemistry, Institute of Natural Medicines, University of Toyama, Toyama, Japan (2005-2008).

- Magister Degree (M.Pharm.Sc.)

Department of Natural Product Chemistry, Institute of Natural Medicine, Toyama Medical and Pharmaceutical University, Toyama, Japan (2003—2005)

- Registered Pharmacist (Apt.)

Department of Pharmacy, faculty of Mathematic and Natural Sciences, Hasanuddin University, Makassar, Indonesia (1999—2000)

- Graduate Degree/Bachelor (S.Si/B.Sc)

Department of Pharmacy, Faculty of Mathematic and Natural Sciences, Hasanuddin University, Makassar, Indonesia (1994—1999).

RESEARCH FIELD

- Isolation, purification, and structure elucidation of active constituents from medicinal plants.

- Pharmacological evaluation of the natural products (Cytochrome P450 inhibition, osteoporosis, and antimalaria).

WORKING EXPERIENCE:

1. Lecturer of Academy of Pharmacy, Makassar, South Sulawesi, Indonesia (**2000-2001**)
2. Lecturer of Faculty of Pharmacy, University of Moslem Indonesia, Makassar, South Sulawesi, Indonesia (**2001**)
3. Lecturer of Faculty of Pharmacy, Hasanuddin University, Makassar, South Sulawesi, Indonesia. (**2001-present**)

RESEARCH EXPERIENCE:

1. Training Research, Div. Natural Product Chemistry, Institute of Natural Medicine, University of Toyama. (Oct-Nov. 2009)
Drug-Discovery from Natural Medicine.
2. Visiting Research, Div. Natural Product Chemistry, Institute of Natural Medicine, University of Toyama. (Feb 1st –April 30th , 2010)
Isolation of the main constituents of Taxus Yunananensis and their CYP Inhibitory activity.
3. Short-time Training, Alpha Analytical, Center of Excellent Application and Training, Singapore (May 2012).
The usage of liquid chromatography mass spectrometer (LCMS-MS) on drug discovery.
4. Postdoctoral Fellowship, Institute of Natural Medicine, University of Toyama. (June 1st 2013- July 30th 2009).
5. Summer School of Utrecht University, October 2015.

SCIENTIFIC PUBLICATIONS

1. **Subehan**, Tepy Usia, Shigetoshi Kadota and Yasuhiro Tezuka. Constituents of *Zingiber aromaticum* and Their CYP3A4 and CYP2D6 Inhibitory Activities. *Chemical and Pharmaceutical Bulletin*, March 2005, **53**(3), 333—335.
2. Jun Yin, Yasuhiro Tezuka, **Subehan**, Liying Shi, Jun-ya Ueda, Katsumichi Matsushige, and Shigetoshi Kadota. Combination of Soft-Shell Turtle Powder and Essential Oil of a Unicellular Chorophyte Prevents Bone Loss and Decreased Bone Strength in Ovariectomized Rats. *Biological and Pharmaceutical Bulletin*, February 2005, **82**(2), 275—279.

3. **Subehan**, Jun-ya Ueda, Hiroharu Fujino, Faisal Attamimi and Shigetoshi Kadota. A field survey of agarwood in Indonesia. *Journal of Traditional Medicine*, September 2005, **22**(4), 244—251.
4. Jun Yin, Yasuhiro Tezuka, **Subehan**, Liying Shi, Jun-ya Ueda, Katsumichi Matsushige, and Shigetoshi Kadota. In vitro anti-osteoporotic of isotaxiresinol, a lignan from wood of *Taxus yunnanensis*. *Phytomedicine*, February 2006, **13**, 37—42.
5. **Subehan**, Tepy Usia, Shigetoshi Kadota and Yasuhiro Tezuka. Mechanism-based inhibition of CYP3A4 and CYP2D6 by Indonesian Medicinal Plants. *Journal of Ethnopharmacology*. May 2006, **105** (3), 449—455.
6. **Subehan**, Tepy Usia, Shigetoshi Kadota and Yasuhiro Tezuka. Mechanism-based inhibition of Human Liver Microsomal Cytochrome P450 (CYP2D6) by Alkamides of *Piper nigrum* L. *Planta Medica*, May 2006, **72**(6), 527—532.
7. **Subehan**, Tepy Usia, Shigetoshi Kadota and Yasuhiro Tezuka. Alkamides from *Piper nigrum* L and their inhibitory activity against human liver microsomal Cytochrome P450 (CYP2D6). *Natural Product Communications*. 2006, **1**(1).
8. Liying Shi, Yasuhiro Tezuka, **Subehan**, Jun-ya Ueda, Tatsuro Miyahara, Jun Yin, Takahiro Nobukawa, and Shigetoshi Kadota. Inhibitory effect of Kampo medicines on bone resection *in vitro* and preventive effect on bone loss *in vivo*. *Journal of Traditional medicines* 2006, **23**(3), 92—100.
9. Aty Widyawaruyanti, **Subehan**, Surya Kant Kalauni, Suresh Awale, Maria Nindate, Noor Cholies Zaini, Din Syafruddin, Puji Budi Setia Asih, Yasuhiro Tezuka, Shigetoshi Kadota. New prenylated flavones from *Artocarpus champeden* and their antimalarial activity *in vitro*. *Journal of Natural Medicines* 2007, **61**(4), 410—413.
10. Mangestuti, **Subehan**, Aty Widyawaruyanti, Syed Faisal Haider Zaidi, Suresh Awale, Shigetoshi Kadota. Traditional Medicine of Madura Island in Indonesia. *Journal of Traditional Medicine* 2007, **24**(3), 90—103.
11. **Subehan**, Syed Faisal Haider Zaidi, Shigetoshi Kadota and Yasuhiro Tezuka. Inhibition on human liver cytochrome P450 3A4 by constituents of Fennel (*Foeniculum vulgare*): Identification and characterization of a mechanism-based inactivator. *Journal Agricultural and Food Chemistry* 2007, **55**(6), 10162—10167.
12. Naoki Toyooka, Dejun Zhou, Soushi Kobayashi, Hiroshi Tsuneki, Tsutomu Wada, Hideki Sakai, Hideo Nemoto, Toshiyasu Sasaoka, Yasuhiro Tezuka, **Subehan**, Shigetoshi Kadota, H. Martin Garraffo, Thomas S. Spande, John W. Daly. Syntheses of the proposed structures of poison-frog alkaloids 179 and 207E and their inhibitory effects on neuronal nicotinic Acetylcholine receptors. *Synlett* 2008, **2008** (1), 61—64.

13. **Subehan**, Shigetoshi Kadota and Yasuhiro Tezuka. In vitro Inhibition on human liver cytochrome P450 3A4 by a new constituent isolated from *Cinnamomum burmani*. *Planta Medica* 2008, 74. 1474—1480.
14. **Subehan**, Naoto Takahashi, Shigetoshi Kadota and Yasuhiro Tezuka. Cytochrome P450 2D6 inhibitory constituents of *Lunasia amara*. *Phytochemistry Letters* 2011, 4 (1), 30-33.
15. Naoto Takahashi, **Subehan**, Shigetoshi Kadota, Yasuhiro Tezuka. Mechanism-based CYP2D6 inactivation by acridone alkaloids of Indonesian medicinal plant *Lunasia amara*. *Fitoterapi* 2012. 83(4). 774-779.
16. Mufidah Murdifin, Elly Wahyudin, Gatot S. Lawrence, **Subehan**, Marianti A. Manggau, Gemini Alam. Phytochemical analysis and antioxidant activity of *Mezzetia parviflora* Becc. Woodbark extract. *Pharmacognosy Journal* 2012. 4(34). 18–21.
17. **Subehan**, Yusnita Rifai, Mufidah. The characaterization and anti-osteoporosis activity of Sappan Lignum (*Caesalpinia sappan* L.) extrct. *International journal of Phytomedicine* 2013. 5(1). 7-13.
18. **Subehan**, Sullim Lee, Dya Fita Dibwe, Yasuhiro Tezuka, Hiroyuki Morita. A New polyoxygenated cyclohexane and other constitutents from *Kaempferia rotunda* and their cytotoxic activity. *Natural Product Research* 2014. 28(20). 1754-1759.
19. **Subehan**, Rifai Y., Mufidah, Ismail, Aswad M., Morita H. Phytochemical investigation of the active constituents from *Caesalpinia sappan* on stimulation of osteoblastic cells. *Plant Biotechnology* 2014. 31, 505-509, 2014
20. Lidyawati Auw, **Subehan**, Sukrasno, Shigetoshi Kadota and Yasuhiro Tezuka, Constituents of Indonesian Medicinal Plant *Averrhoa bilimbi* and Their Cytochrome P450 3A4 and 2D6 Inhibitory Activities. *Natural Product Communication* 2015. 10 (1).
21. Khoirun Nisa, Takuya Ito, **Subehan**, Takashi Matsui, Takeshi Kodama, Hiroyuki Morita. New acylphloroglucinol derivatives from the leaves of *Baeckea frutescens*. *Phytochemistry Letters* 2016. 15, 42–45.
22. Azis Saifudin, Tepy Usia, **Subehan Lallo**, Hiroyuki Morita, Ken Tanaka, Yasuhiro Tezuka. Potent water extracts of Indonesian medicinal plants against PTP1B. *Asian Pac J Trop Biomed* 2016. 6(1), 38–43
23. Muhammad Sulaiman Zubair, Syariful Anam, **Subehan Lallo**. Cytotoxic activity and phytochemical standardization of *Lunasia amara* Blanco wood extract. *Asian Pac J Trop Biomed* 2016. 6(11), 962–966.

24. Azis Saifudin, **Subehan Lallo**, and Yasuhiro Tezuka. The Potent Inhibitors of Protein Tyrosine Phosphatase 1B from the Fruits of *Melaleuca leucadendron*. *Pharmacognosy Res.* 2016. 8(5), 38-41.
25. Yusnita Rifai, Harold Tani, Muhammad Nur, Muhamad Aswad, **Subehan Lallo**, Elly Wahyudin. Synthesis, Molecular Mechanism and Pharmacokinetic Studies of New Epoxy Lignan Based Derivatives. *Arch. Pharm.* 2016. 349, 848–852
26. Takuya Ito, Khoirun Nisa., Rakainsa S. K., **Subehan Lallo**, Hiroyuki Morita. New phloroglucinol derivatives from Indonesian *Baeckea frutescens*. *Tetrahedron* 2017. 73, 1177-1181.
27. Takashi Matsui, **Subehan Lallo**, Khoirun Nisa, Hiroyuki Morita. Filamenting temperature-sensitive mutant Z inhibitors from *Glycyrrhiza glabra* and their inhibitory mode of action. *Bioorg Med. Chem. Lett.* 2017, 27, 1420-1424
28. Muhammad Sulaiman Zubair, **Subehan Lallo**, Masteria Yunovilsa Putra, Tri Aryono Hadi, Ibrahim Jantan. Antibacterial and cytotoxic activities of sponges collected off the coast of Togean Islands, Indonesia. *Pharmacognosy Journal* 2018. 10(4), 988-992
29. Ruslin M, Akbar Fuad Husain, Hajrah-Yusuf A, **Subehan**. Analysis of total flavonoid levels in brown algae (*Sargassum* sp. And *Padina* sp.) as analgesic drug therapy. *Asian Journal of Pharmaceutical and Clinical Research* 2018, 11 (7), 81-83.
30. Ayu Astuti, Budiman Yasir, **Subehan**, Gemini Alam. Comparison of two varieties of *Plectranthus scutellarioides* based on extraction method, phytochemical compound, and cytotoxicity. *Journal of Physics: Conference Series* 2019, 1341, 1-7.
31. **Subehan Lallo**, Arsy Hasmiranti, Usmar, Aminullah, Ismail, Besse Hardianti. Effect of the growth environment oil character of patchouli (*pogostemon cablin* benth.) at Southeast Sulawesi, Indonesia. *Journal of Medicinal Plants (An International Journal of Medicinal Plants and Related Industries)* 2020, 12(1), 77-81.
32. **Subehan Lallo**, Hasma, Sartini, Muhammad Aswad. Leaf Position Affects Antibacterial Activity of *Spondias Pinntas* and its Secondary Metabolite. *Asian Journal of Plant Sciences* 2020, 19(2), 185-190.
33. Nurhasni Hasan, Latifah Rahman, So-Hyeon Kim, Jiafu Cao, Andi Arjuna, **Subehan Lallo**, Byung H. Jhun, Jin-Wook Yoo. Recent advances of nanocellulose in drug delivery systems. *Journal of Pharmaceutical Investigation*, 2020.
34. Herlina Rante, **Subehan**, Retno Wulandari, Yayu Mulsiani Evary. Antibacterial Activity of Robusta Coffee (*Coffea Robusta* L.) Peel Extract Against Human

Pathogenic Bacteria. Journal of Experimental Biology and Agricultural Sciences 2021, 9, 264-268.

- 35. Subehan Lallo**, Besse Hardianti, Sartini, Ismail and Yoshihiro Hayakawa. Anti-Inflammatory and Cytoprotective Effect of Kaempferia galanga Extracts by Targeting NF- κ B Activity. Asian Journal of Plant Science, 2022, 21(2), 183-191.

SCHOLARSHIPS

1. Supersemar (1996—1999).
2. Japan-Indonesia Medical Association of Yuai Hospital Cooperation (2002—2006).
3. Mambukagakusho Scholarship (2007-2008)
4. JSPS (Feb-May 2010)