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SCHEDULE OF ORAL PRESENTERS

DAY 1, 11 JULY 2018		Chairman : Prof. Dr. Sukardiman, MS., Apt.	
R. GARUDA MUKTI			
15.05-17.00			
TIME	PRESENTER NUMBER	TITLE	AUTHOR
15.05 - 15.15	OP-1	Bio-similar Nutraceuticals: Does the commercialization and heavy consumption in the western world will kill the global bio diversity	Yashwant Pathak
15.17 - 15.27	OP-2	Development of New Methods for the Synthesis of Dihydropyrans (DHP) and Tetrahydropyrans (THP)	Nadiyah Mad Nasir*, Dr Paul Clarke
15.29 - 15.39	OP-3	The Pattern of Complementary Alternative Treatment Used by Cancer Patients	Mochamad Djunaedi*, Wahyu Utami, Anila Impian Sukorini
15.41 - 15.51	OP-4	The Utilization of Daun Wungu Ethanol Extract (<i>Graptophyllum pictum</i> (L) Griff.) As The Endometrial Hyperplasia Inhibitor of Ovariectomy Mice	Listijani Suhargo* and Dwi Winarni
15.53 - 16.03	OP-5	Exploration of Antidiabetic agents from Talang Mamak Medicinal Plants	M. Almurdati*, Adel Zamri, Titania T. Nugroho and Hilwan Yuda Teruna
16.05 - 16.15	OP-6	Antimicrobial Agents from Talang Mamak Medicinal Plants	Hilwan Yuda Teruna*, M. Almurdati, Jasril Karim, and Yum Eryanti
16.17 - 16.27	OP-7	Antibacterial Screening of Mangrove Extract Library: Accelerating Drug Discovery from Indonesian Biodiversity	Kholis Abdurachim Audah*
16.29 - 16.39	OP-8	Lichen of Java Island showing anti-bacterial and anti-cancer activities	Ari Satia Nugraha*, Dwi Koko Pratoko, Yuvita Dian Damayanti, Nadya Dini Lestari, Tinton Agung Laksono, Hardiag Susilo Addy, Ludmilla F. Untari
16.41 - 16.51	OP-9	Alstonville (<i>Tibouchina lepidota</i>), a Purple Flower, as Antibacterial Agent	Rudi Hendra* and Paul Keller

DAY 1, 11 JULY 2018		Chairman ; Pinus Jumaryatno, Ph,D	
R. 300			
15.05 -17.00			
TIME	PRESENTER NUMBER	TITLE	AUTHOR
15.05 - 15.15	OP-10	Isolation of a Flavonol and Two Phenolic Compounds from the Leaves of <i>Macaranga hosei</i> King ex Hook.f.	Mohamad Hamizan Mohd Isa*, Norizan Ahmat, and Aisyah Saljihah Kamarozaman
15.17 - 15.27	OP-11	Identification and Determination of Total Flavonoid Content of Extract Pasak Bumi (<i>Eurycoma longifolia</i> Jack) Root by FTIR and Multivariate Calibration	Liling Triyasmono*, Khoerul Anwar, M Ikhwan Rizky, Ana Ulfa, and Isni Muniisa
15.29 - 15.39	OP-12	Two flavones and two phenolic compounds from <i>Asystasia gangetica</i> (L) T. Anderson var. <i>micrantha</i> (Acanthaceae)	Isna Athirah Othman*, Norizan Ahmat
15.41 - 15.51	OP-13	Detection of Potential Antioxidant, Phytochemical Content and Functional Group Analysis of <i>Ficus carica</i> (Tin) Fruit and Leaf Extract	Eva Agustina*, Risa Purnamasari, and Nova Lusiana
15.53 - 16.03	OP-14	Benzopyrones and Fatty Acids from Ethyl Acetate Layer of <i>Spilanthes acmella</i> Murr	Retno Widyowati*, Wiwied Ekasari, and Neny Purwitasari

SCHEDULE OF POSTER PRESENTERS

Room 301

No. Poster	Poster Title	Authors
PP1	Protective activity of Chitosan Nanoparticle against Cadmium Chloride induced gastric toxicity in Rat	Giftania Wardani Sudjarwo
PP2	Purification and Characterization of <i>E. Coli</i> β -Glucuronidase from <i>Plectranthusamboniensis</i> (Sprng.)	Michael Russelle Alvarez*, Punsaldulam Dashnyam, Nitish Verma, Chun-Hung Lin, and Francisco Heralde III
PP3	Antihyperglycemia Effect of Tomato Juice (<i>Solanum lycopersium</i>) on White Rats (<i>Rattusnorvegicus</i>) Sprague dawley Strain with Induced Alloxan	Hanifa Irma Ika Situmorang, Anita Lidesna Shinta Amat, Kartini Lidia
PP4	<i>Artocarpus altilis</i> leaves activity in inhibiting α -Amylase Enzyme as Oral Antidiabetic Drug Candidate	Lusi Putri Dwita*, Vivi Anggia, and Tri Dewi Prasctyatuti
PP5	In Vitro Antibacterial Activity Test of Jackfruit (<i>Artocarpus heterophyllus</i> Lam.) Leaf Extract against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)	Ika Ningsih, Dyah Ayu Rosalinda, Ariyani Kiranasari, Beti Ernawati Dewi, Fithriyah Sjatha
PP6	Antibacterial Activity of Several Indonesian Endemic Plants against <i>Staphylococcus epidermidis</i> , <i>Staphylococcus aureus</i> and Methicillin-resistant <i>Staphylococcus aureus</i>	Ariyani Kiranasari, Angela Bonita, Elizabeth Melina, Kevin Winston, Naivedh Baht, Nathania Sutandi, Beti Ernawati Dewi, Ika Ningsih, Fithriyah Sjatha*
PP7	Antiviral Activity of <i>Cynometra ramiflora</i> Linn Leaves Extract Against Replication of Dengue Virus Serotype 2 on Huh 7.5 Cell In Vitro	Amry Irsyada Yusuf, Beti Ernawati Dewi, Fithriyah Sjatha*
PP8	Antimalaria activity of ethanolic extract of <i>Macaranga gigantea</i> leaf and its major constituents	Muhammad*, Yusnandar, Hilda Amanda, Madyawati Latief, Nurumawati Lase, Anis Yohana Chaerunisaa, Andreas Yoga Aditama and Josephine Elizabeth Siregar
PP9	<i>In vivo</i> antibacterial activity of <i>Cassia fistula</i> L. barks fractions as treatment for resistant pathogenic bacteria	Anis Yohana Chaerunisaa*, Yasmiwar Susilawati, Muhammad, and Tjiana Milanda
PP10	Anti-Adipogenic Activity of Fractions of <i>Guazuma ulmifolia</i> Leaves Extract	Nuri*, Sukardiman, and Bambang Prajogo
PP11	Cytotoxic Activity of Selected Medicinal Plants from Papua	Septriyanto Dirgantara*, Rosyc H.R.Tanjung, Rahmawati Nurlatifah and Edy Meiyanto
PP12	Identification of Herbal Mixture Metabolites and Its Acute Toxicity in Wistar Rats	Azliana Abu Bakar Sajak*, Azrina Azlan, Hazilawati Hamzah and Faridah Abas
PP13	The Cytotoxic Activity of Fractions from the Ethyl Acetate Extract of Rumpit Gong (<i>Eriocaulon cinereum</i> R. Br.) on Hela Cervical Cancer Cell	Widyanur Maya Diabandari*, Pinus Jumaryatno, and Arde Toga Nugraha
PP14	Formulation and Characterization of Cosmetic Serum Containing Argan Oil as Moisturizing Agent	Sri Budiasih*, Masyitah Ismail, Jiyauddin Khan, Mohammed Kalcemullah, Sameer Al-Dhalli, Fadli Asmani, and Eddy Yusuf
PP15	Comparison of antioxidant properties of fresh and frozen peel of lemon (<i>Citrus limon</i>), key lime (<i>Citrus aurantiifolia</i>), and musk lime (<i>Citrus microcarpa</i>)	Nur Fatm Inazlina Noor Azman, Azrina Azlan*, Azliana Abu Bakar Sajak, and Noor Atiqah Aizan Abdul Kadir
PP16	Antibacterial Activities of Ethanol Extract of Karamongting (<i>Melastoma malabathricum</i> L.) Leaf and Flowers on Bacteria <i>Salmonella typhi</i> , <i>Escherichia coli</i> , <i>Staphylococcus aureus</i>	Isnaini*, Lia Y. Budiarti, Noor Muthmainah, Dimas S. Baringgo, Ririn Frisilia, Nanda Sulistyaningrum, Irawati F. Batubara, Wuri Sofiratmi, Wireja D. Retalta
PP17	Determination of Standard Specific Parameters Extracts and Activity of Purified Extract Belimbing	Dyah Aryantini*, Luwis Rusiana, and Erma Maszuin

	Chia seed (<i>Salvia hispanica</i> L.) and Flaxseed (<i>Linum usitatissimum</i> L.)	
PP37	Quality Standardization of Dry Powder of <i>Spilanthes acmella</i> Murr. Herb	Ridho Tryantono*, Neny Purwitasari and Retno Widyowati
PP38	The Effectivity of Butanol Fraction of <i>Calophyllum nodosum</i> as Antiviral Drug to Dengue Virus Serotype 2	Syifa Salsabila, Nabilla Calista, Hidayati Desti, and Beti Ernawati Dewi
PP39	Chromatographic Fingerprinting of <i>Molineria latifolia</i>	Kunthasaya Akkarasiritharattana*, and Siriphatr Chamutpong
PP40	Structure Modifications of Pinostrobin from <i>Boesenbergia pandurata</i> Roxb. Schlecht Extract	Andy Suryadi A. M.*, Retno Widyowati, Tri Widiandani, and Siswandono
PP41	Activity Banana Manurun (<i>Musa paradisiaca</i> Linn.) Stem Extract Against <i>Staphylococcus aureus</i> , <i>Streptococcus pyogenes</i> and <i>Candida albicans</i> In vitro	Lia Yulia Budiarti, Isnaini, NurIzatil Khasanah, and Noorhasanah
PP42	The Activity of <i>Sterculia quadrifida</i> R.br Stembark against Hepatitis C Virus	Maria Ayu Wandira Moi Sola*, Adita Ayu Permanasari, Myrna Adianti, Lidya Tumewu, Aty Widyawaruyanti, and Achmad Fuad Hafid
PP43	Screening on Antihepatitis C Virus Activities of Several Plants from East Kalimantan, Indonesia	Lidya Tumewu*, Farida Ifadotunnikmah, Rosyida Paramita, Rina Puspitasari, Amiroatul Faiqoh, Myrna Adianti, Adita Ayu Permanasari, Suciati, Aty Widyawaruyanti, and Achmad Fuad Hafid
PP44	Total Phenolic, Flavanoid and Antioxidant Activity of Stingless Bee Honey (<i>Heterotrigona itama</i>) from suburban and forest in Malaysia	Mohamad Zulhafiz Shafiq*, and Norhaizan Binti M Esa
PP45	Isolation and identification of <i>Bacillus</i> spp. from stingless bee honey (<i>Heterotrigona itama</i>)	Fatin Aina Zulkhairi*, Norhasniqa Zawawi, Suriana Sabri, Maznah Ismail, and Norhaizan Mohd Esa
PP46	Genotyping Study to Investigate Leprosy Distribution in the Past and Present Time in Indonesia	Dinar Adriaty*, Ratna Wahyuni, Iswahyudi, Toetik Koesbardiati, Bimo Aksono, Cita Rosita Prakoeswa, Indropo Agusni, and Shinzo Izumi
PP47	Assessing the Anti-Aging Capacity of <i>Acalypha indica</i> Associated with Malondialdehyde Levels in Old Sprague-Dawley Rats	Reganedgary Jonjean*, Rani Wardani Hakim, Callen Zulkifli, Desak Gede Budi Krisnamurti, Siti Farida, and Erni H. Purwaningsih
PP48	Brain Derived Neurotrophin Factor (BDNF) Level in Aged Sprague Dawley Rats Brain after the Treatment of <i>Centella asiatica</i> Leaf Extracts	Indah Fitriani*, Rani Wardani Hakim, Nathaniel Aditya, Adisti Dwijayanti, Desak Gede Budi Krisnamurti, and Erni Hernawati Purwaningsih
PP49	Anti-Oxidative Potential of <i>Acalypha indica</i> L. Root Extract on Brain-Derived Neurotrophic Factor Levels in Old Sprague-Dawley Rats	Callen Zulkifli*, Rani Wardani Hakim, Reganedgary Jonjean, Adisti Dwijayanti, Desak Gede Budi Krisnamurti, and Erni Hernawati Purwaningsih
PP50	The Anti-Oxidative Role of <i>Centella asiatica</i> on Brain Malondialdehyde Levels of Aged Sprague-Dawley Rats	Nathaniel Aditya*, Rani Wardani Hakim, Indah Fitriani, Desak Gede Budi Krisnamurti, Siti Farida, and Erni Hernawati Purwaningsih
PP51	A Simple Method for Isolation of Citral Using Column Chromatography	Adlina Savira, Achmad Syahrani, and Marcellino Rudyanto
PP52	Chitosan Nanoparticles as a Promising Topical Delivery System of Vitamin A Palmitate: Preparation and Penetration Property	Etik Mardiyati*, Sjaikhurriзал El Muttaqin, and Damai Ria Setyawati
PP53	Metabolite Profiling and Predicted Anticancer Activities of Fruit Trees from Mt. Maliking, Laguna, Philippines	Michael Russelle Alvarez*, Kimberly Delica, Mapolo Basingan Jr., Froila Marie Demiega, Leonardo Cadiente III, Rowell Abogado, Isagani Padolina, Gladys Completo, and Ruel Nacario
PP54	The Mechanism of N-Hexane Fraction of <i>Cosmos caudatus</i> against Dengue Virus in HUH7it-1 Cell Line	Nabilla Calista, Dorothy Sinur Christabella, Marissa Angelina, Hidayati Desti, and Beti Ernawati Dewi
PP55	In Vitro Evaluation of Antacid and Antiflatulent Activity in Ethanolic Extract Syrup of Clove Leaves (<i>Eugenia Caryophyllata</i> Thunberg)	Nurul Widi, Retno Widyowati, Herra Studiawan, and Sukardiman*
PP56	Extract of <i>Ruta angustifolia</i> potentiated anti-hepatitis C activities with direct-acting antiviral agent.	Tutik Sri Wahyuni*, Adita Ayu Permanasari, Achmad Fuad, Aty Widyawaruyanti, and Hak Hotta.

Benzopyrones and Fatty Acids from Ethyl Acetate Layer of *Spilanthes acmella* Murr

Retno Widyowati*, Wiwied Ekasari, and Neny Purwitasari

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ABSTRACT

Background: The main constituents from the whole aerial parts, flower heads and roots of *Spilanthes acmella* Murr. (Compositae) yield "spilanthol" and "acmellonate," they are sometimes used to reduce the pain associated with toothaches, induce saliva secretion and is a powerful insecticide and local anesthetic. It also has an important source of highly valuable bioactive compounds such as fatty acids, phenolics, coumarin (scopoletin), triterpenoids and flavonoids.

Objective: This research has purpose to find the chemical constituents containin the ethyl acetate layer of the 70% ethanol extract of *Spilantel acmella*.

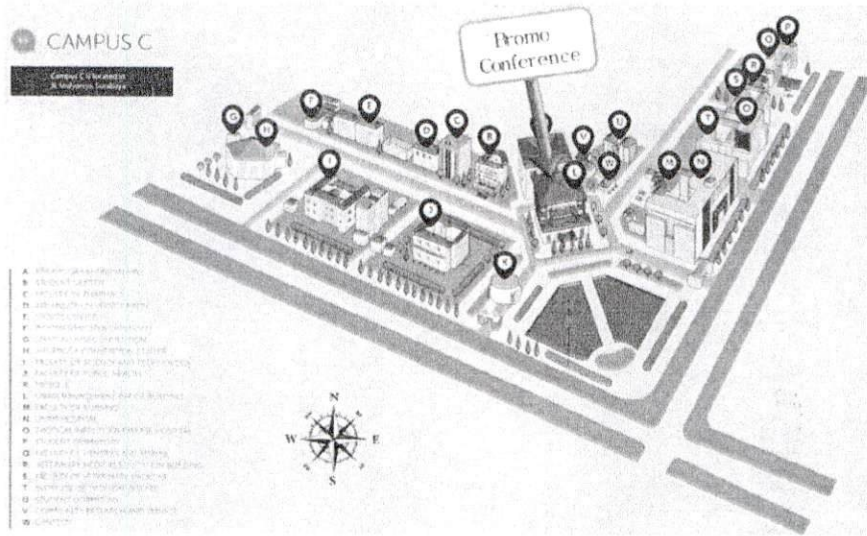
Methods: The structures of these compounds were isolated by various chromatographic techniques such as silica gel, ODS, HPLC and determined as follows by spectrometric analysis (UV, IR, HR-ESI-MS, 1D and 2D NMR) and based on chemical evidences.

Results: The investigation of the ethyl acetate layer of this plant has demonstrated the present of a benzene propanoic (1), 9,11-octadecadienoic methyl ester acid (2), tridecanoic methyl ester acid (3), and pentadecanoic acid (4).

Conclusion: The ethyl acetate layer of *Spilanthes acmella* contains benzopyrones and fatty acids.

Keywords: *Spilanthes acmella*, benzopyrones, fatty acids.

BROMO CONFERENCE MAP

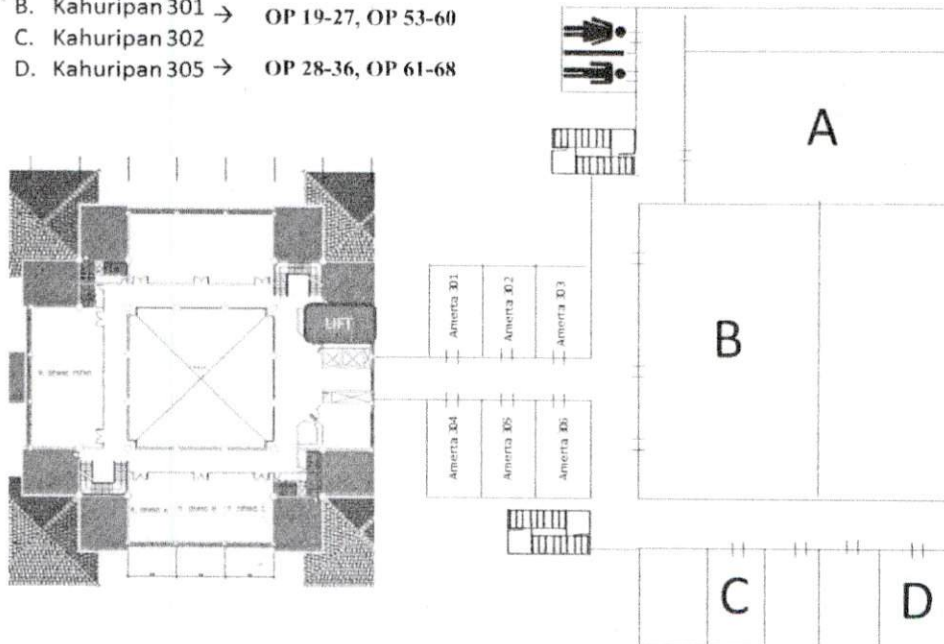


5th floor
 • Aula Garuda Mukti

4th floor
 • Aula Amerta

3rd floor
 • Kahuripan 300
 • Kahuripan 301
 • Kahuripan 302
 • Kahuripan 305

- 3rd floor**
- A. Kahuripan 300 → OP 10-18, OP 45-52
 - B. Kahuripan 301 → OP 19-27, OP 53-60
 - C. Kahuripan 302
 - D. Kahuripan 305 → OP 28-36, OP 61-68



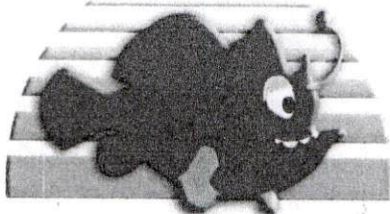
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Surabaya, July 11-12, 2018

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In recognition of his/her contribution as

Oral Presenter

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