

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)					
Nama Penuh (<i>Full Name</i>)	YAYA RUKAYADI			Gelaran (<i>Title</i>): ASSOC. PROF. DR	
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>)	Warganegara (<i>Citizenship</i>)	Bangsa (<i>Race</i>)	Jantina (<i>Gender</i>)		
C1513187	INDONESIA	SUNDA	MALE		
Jawatan (<i>Designation</i>)	LECTURER	Tarikh Lahir (<i>Date of Birth</i>)	AUGUST 17, 1964		
Alamat Semasa (<i>Current Address</i>)		Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)		
KMR ONEPUTRA RESIDENCE, BLOK K103. CAMPUS UPM SERDANG. 43400 UPM SERDANG, SELANGOR, MALAYSIA		DEPARTMENT OF FOOD SCIENCE, FACULTY OF FOOD SCIENCE AND TECHNOLOGY, UPM	yaya_rukayadi@upm.edu.my https://food.upm.edu.my		
B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)					
Nama Sijil / Kelayakan (<i>Certificate / Qualification obtained</i>)	Nama Sekolah Institusi (<i>Name of School / Institution</i>)	Tahun (<i>Year obtained</i>)	Bidang pengkhususan (<i>Area of Specialization</i>)		
DOCTOR OF PHYLOSHOPY (Ph.D)	IPB-UNIVERSITY, BOGOR, INDONESIA	1998	MICROBIOLOGY		
MASTER OF SCIENCE (MSc.)	IPB-UNIVERSITY, BOGOR, INDONESIA	1995	MICROBIOLOGY		
BACHELOR OF EDUCATION (Drs.)	INDONESIA UNIVERSITY FOR EDUCATION	1990	BIOLOGY EDUCATION		
C. KEMAHIRAN BAHASA (<i>Language Proficiency</i>)					
Bahasa / <i>Language</i>	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>

English			V		
Bahasa Melayu			V		
Chinese	-	-	-	-	-
Lain-lain (<i>other</i>): 1. Korea 2. Bahasa Indonesia 3. Bahasa Sunda		V			V V

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN
(*Scientific experience and Specialisation*)

Organization	Position	Start Date	End Date	Expertise
Institute of Bioscience, UPM	Researcher	September 2011	Present	Antimicrobial activity of plant extracts.
PT. Kimia Farma, Bandung, Indonesia	Consultant	January 2012	December 2015	Herbal product development
Biopharmaca Research Center – Bogor Agricultural University, IPB, Indonesia	Consultant	January 2006	August 2011	Industrialization of medicinal plants
Faculty of Pharmacy, University Padjadjaran Bandung, Indonesia	Consultant	January 2008	August 2011	Scientific writing for international publication
Scottish Agricultural College, University of Edinburgh, Scotland	Research Attachment	September 1999	December 1999	Biocontrol for plant disease
Marine Biological Laboratory (BML), Woods Hole, MA, USA	Course Attachment	June 1999	August 1999	Microbial Diversity
PT. Inagro – Indonesia Agro Industri	Consultant	January 1996	December 1997	Electrophoresis and DNA Profiling
University California at Berkeley, USA	Research Attachment	June 1996	October 1996	Transposon Mutagenesis

E. PEKERJAAN (*Employment*)

Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Universiti Putra Malaysia (UPM)	Lecturer	Food Science	19 September 2011	19 September 2023
Yonsei University South Korea	Research Professor	Biotechnology	March 2008	February 2011
Yonsei University South Korea	Senior Researcher	Biotechnology	March 2006	February 2008
Yonsei University South Korea	Researcher	Biotechnology	January 2003	February 2006
Yonsei University South Korea	PostDoc	Bioproducts Research Center (BRC)	January 2000	December 2002
University of Edinburgh Scotland	PostDoc	Scottish Agricultural College	September 1999	January 2000

IPB University Bogor, Indonesia	Researcher	IUC- Biotechnology IPB University	19 September 1992	28 December 1998
Medan State University (UNIMED) Medan, Indonesia	Lecturer	Biology Education	September 1991	July 1992

F. ANUGERAH DAN HADIAH (*Honours and Awards*)

No.	Name of awards and Title	Award Authority	Award Type	Year
17	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2020
16	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2019
15	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2018
14	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2017
13	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2016
12	Pensyarah Cemerlang (Winner)	Universiti Putra Malaysia	National	2015
11	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2014
10	Pensyarah Cemerlang	Universiti Putra Malaysia	National	2013
9	Received Honorary Citizenship of Korea (Seoul)	The Seoul Metropolitan Government, Republic of Korea.	International	2007
8	BK21 – Brain of Korea Project	Yonsei Biomolecule Research Initiative (YBRI)-Yonsei University, Korea	International	2006-2011
7	ASEAN Post-Doctoral Fellowships	Korean Science and Engineering Foundation (KOSEF), Korea.	International	2001-2003
6	Travel Grand 7 th International Symposium on the Microbiology of the Aerial Plant Surfaces	University of California at Berkeley, CA, USA	International	2000
5	Bioproducts Research Fellowships	Bioproducts Research Center (BRC)-Yonsei University, Korea	International	2000
4	Visit in Higher Education Link Program – SAC - University of Edinburgh	British Council/Department for International Development (DFID), United Kingdom (UK).	International	1999
3	Carl-Zeiss Award	Marine Biological Laboratory for Microbial	International	1999
2	Overseas Internship for Graduate Student	Project University Research for Graduate Education (URGE)-The Indonesian Ministry of High Education	National	1996
1	Graduate Student Fellowship	Team Management Program Doctor (TMPD)- Indonesia	National	1992-1998

G. Identiti Penerbitan (*Publishing ID*)

Database	ID	h-index
Scopus	15021341900	22 (1790)
Google Scholar	YAYA RUKAYADI	33

		(2976)
Research Gate	https://www.researchgate.net/profile/Yaya-Rukayadi	35.02
ORCID	https://orcid.org/0000-0001-7807-4462	-
Linkedin	https://www.linkedin.com/in/yaya-rukayadi-423bb3b6/	-

H. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

<i>Journal</i>	<p>155. Abdusalam, K.B., Yee L.S., Mediani A., Akhtar M. T., Buzgaia N., Rukayadi Y., Ismail I. S. and Shaari K. 2022. 1H NMR-based metabolomics profiling of <i>Syzygium grande</i> and <i>Oenanthe javanica</i> and relationship between their metabolite compositions and antimicrobial activity against <i>Bacillus</i> species. Record of Natural Products 16:2: 128-143.</p> <p>154. Fazly Ann, Z., Nik Sabri, N. N. N. and Rukayadi Y. 2021. Effect of <i>Psidium guajava</i> L. leaves extract on beef microbiological quality at different storage temperatures. International Food Research Journal (Accepted).</p> <p>153. Khan, S., Jaafar, A.H. and Rukayadi, Y. 2021. Antibacterial activity of asam gelugur (<i>Garcinia atroviridis</i> Griff) fruit extract against foodborne pathogens and its effect on microbial population in raw chicken. Food Research (Accepted).</p> <p>152. Ali, S.K., Radu, S., Nor Khaizura, M.A.R and Rukayadi, Y. 2021. Effect of jambu mawar [<i>Syzygium jambos</i> (L.) Alston] leaves extract on natural microbial populations in food. Food Research (Accepted).</p> <p>151. Ramli, M., Nor-Khaizura, M.A.R., Nur Hanani, Z.A., Rukayadi, Y. and Samsudin, N.I.P. 2021. Potential application of bioactive compounds in essential oils from selected Malaysian herbs and spices as antifungal agents in food systems. Food Research 5 (4): 223 – 237.</p> <p>150. Yusoff, N.A.H., Rukayadi, Y., Abas, F., Khatib, A. and Hassan, M. 2021. Antimicrobial stability of <i>Cosmos caudatus</i> extract at varies pH and temperature, and compounds identification for application as food sanitizer. Food Research 5 (3) : 83 – 91.</p> <p>149. Andriani, Y., Julia R. O., Yuliadi L. P. S., Iskandar I. and Rukayadi Y. 2021. Improving the color quality of the swordtail fish through the supplementation of butterfly pea leaf meal. Sarhad Journal of Agriculture 37 (1): 48 -54.</p> <p>148. Buzgaia, N., Lee S. Y., Rukayadi Y., Abas F. and Shaari K. 2021. Antioxidant activity, α-glucosidase inhibition and UHPLC–ESI–MS/MS profile of Shmar (<i>Arbutus pavarrii</i> Pamp). Plants-1181623.</p> <p>147. Zain, M. Wan Z. W., Nawi L., Ahmat N., Osman C.P. and Rukayadi Y. 2021. A new flavonoid from Malaysian <i>Dipterocarpus cornutus</i>. Indonesian Journal of Chemistry 21 (5): 1132 – 1139.</p> <p>146. Gunasekharan, M., Choi T. I., Rukayadi Y., Latif M. A. M.,</p>
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Karunakaran T., Faudzi M.S.A and Kim C. H. 2021. Preliminary insight of pyrrolylated-chalcones as new anti-Methicillin-Resistant *Staphylococcus aureus* (Anti-MRSA) agents. *Molecules*-1337951.

145. Tan, C. W., **Rukayadi Y.**, Hasan H., Abdul-Mutalib N-A., Jambari N.N., Hara H., Thung T.Y., Lee E. and Radu S. 2021. Isolation and characterization of six *Vibrio parahaemolyticus* lytic bacteriophages from seafood samples. *Frontiers in Microbiology* 12: 616548.

144. Kusuma, S. A. F., Parwati I., Subroto T., **Rukayadi Y.**, Fadhlillah M. and Rizaludin A. 2021. Comparison of simple and rapid extracting methods of free-tags MPT64 recombinant protein from polyacrilamide gel: Electroelution and the optimized passive-elution. *Journal of Advanced Pharmaceutical Technology & Research* 4: 180 -184.

143. Alzabt, A.M. and **Rukayadi Y.** 2021. Antibacterial activity of taro [*Colocasia esculenta* (L.) Schott] leaves extract against foodborne pathogens and its effect on microbial population in raw chicken meat. *Food Research* 5 (2): 401 – 409.

142. Mustaffer, N. H., Ramli N. S., Tongkhao K., Vangnai K., Rosni N.K. and **Rukayadi Y.** 2021. Changes in physicochemical properties and antioxidant activity of fermented kepayang (*Pangium edule* R.) seeds. *Food Research* (Accepted).

141. Yellianty, Kartasmita E., Surantaatmadja S. I. and **Rukayadi Y.** 2021. Identification of chemical constituents from fruit of *Antidesma bunius* by GC-MS and HPLC-DAD-ESI-MS. *Food Science and Technology*: 61320.

140. Ranasinghe, R. A. S. S., Satharasinghe D. A., Tang J. Y. H., **Rukayadi Y.**, Radu K. R., New C. Y., Son R. and Premarathne J. M. K. J. K. 2021. Persistence of *Listeria monocytogenes* in food commodities: foodborne pathogenesis, virulence factors, and implications for public health. *Food Research* 5 (1) : 1 – 16.

139. Padzil, K. N. M, Ayob N. M, Alzabt A. M. and **Rukayadi Y.** 2021. Antibacterial activity of taro (*Colocasia esculenta* L.) leaves extracts against *Staphylococcus aureus* and *Vibrio parahaemolyticus* and its effect on microbial population in sardine (*Sardinella longiceps* Val.). *Food Research* 5 (2) : 88 – 97.

138. Wulan, R., Astuti R. I., **Rukayadi Y.** and Meryandini A. 2021. Evaluation of Indigenous *Pichia kudriavzevii* from cocoa fermentation for a probiotic candidate. *Biodiversitas* 22: 1317-1325.

137. Tan, S. L., T., Sulaiman R., **Rukayadi Y.** and Ramli, S. 2021. Effect of gum Arabic concentrations on foam properties, drying kinetics and physicochemical properties of foam mat drying of cantaloupe. *Food Hydrocolloids* 116 (7): 106492

136. Tan, S.L., Sulaiman R., **Rukayadi Y.** and Ramli N. S. 2021. Physical, chemical, microbiological properties and shelf life kinetic of spray-dried cantaloupe juice powder during storage. *LWT - Food Science and Technology*140: 110597

135. Ramli, S., Radu S., Shaari K. and **Rukayadi Y.** 2020. Antibacterial activity of ethanolic extract of *Syzygium polyanthum* L. (salam) leaves against foodborne pathogens and its application as food sanitizer. Prime Archives in Biological Sciences (Book Chapter). 1-37.

135. Windayani, N., Kurniati T. and **Rukayadi Y.** 2020. Antibacterial activity of colostrum kefir against foodborne pathogen bacteria. IOP Conference Series: Earth and Environmental Science 472(1): 012019

134. Alkhateeb, Y., Jarrar Q. B., Abas F., **Rukayadi Y.** and Shaari K. 2020. Characterization, purity assessment, and preparation of liposomal formulation of 2,4,6-trihydroxygeranylacetophenone. Tropical Journal of Pharmaceutical Research 19 (10): 2025-2032.

133. Buzgaia, N., Awin T., Elabbar F., Abdusalam K., Lee S. Y., **Rukayadi Y.**, Abas F. and Shaari K. 2020. Antibacterial activity of *Arbutus pavarii* Pamp against Methicillin-Resistant *Staphylococcus aureus* (MRSA) and UHPLC-MS/MS Profile of the bioactive fraction. Plants 9(11), 1539.

132. Tan C. W., **Rukayadi Y.**, Hasan H., Thung T. Y., Lee E., Rollon W. D., Hara H., Kayal A. Y., Nishibuchi M. and Radu S. 2020. Prevalence and antibiotic resistance patterns of *Vibrio parahaemolyticus* isolated from different types of seafood in Selangor, Malaysia. Saudi Journal of Biological Sciences 27(6): 1602–1608.

131. Alkhateeb, Y., Jarrar Q. B., Aba, F., **Rukayadi Y.**, Tham C. L., Hay Y. K. and Shaari K. 2020. Pharmacokinetics and metabolism of liposome-encapsulated 2,4,6-trihydroxygeranylacetophenone in rats using high-resolution orbitrap liquid chromatography mass spectrometry. Molecules 25: 3069.

130. Kusuma, S.A.F., Parwati I., Subroto T., **Rukayadi Y.**, Rostinawati T., Yusuf M., Fadhillah M., Tanti L. D. and Ahyudanari R.R. 2020. Real-time monitoring of rhamnose induction effect on the expression of mpt64 gene fused with *peB* signal peptide in *Escherichia coli* BL21 (DE3). Journal of Advanced Pharmaceutical Technology & Research 11(2): 69 – 73.

129. Kusuma, S.A.F., Zuhrotun A., Hendriani R., Indrayati A., Radianawati A. and **Rukayadi Y.** 2020. Anti-staphylococcal effect of red roselle (*Hibiscus sabdariffa* L.) calyx decoction as an Indonesian folk medicine beverage. Drug Invention Today 13 (5): 719 – 724.

128. Ramli, S., Radu S., Shaari K. and **Rukayadi Y.** 2020. Toxicity analysis of *Syzygium polyanthum* (Wight) Walp. leaves extract. Emirates Journal of Food and Agriculture 32(6): 461-468.

127. Wan-Mohtar, A.A.Q.I, Halim-Lim S.C.A., Kamarudin N.Z., **Rukayadi Y.**, Abd Rahim M.H., Jamaludin A.A. and Ilham Z. 2020. Fruiting-body-base flour from an Oyster mushroom waste in the development of antioxidative chicken patty. Journal of Food Science 85(10): 3124–3133.

126. Juwitaningsih, T., Jahro I. S., Dumariris I., Hermawati E. and **Rukayadi Y.** 2020. Phytochemical, antibacterial, antioxidant and anticancer activity study of *M. candidum* leaf acetone extract. Rasayan

Journal of Chemistry 13 (2): 1096 – 1103.

125. Rinai, K. R., Ismail I. S., Son R., New C. Y. and **Rukayadi Y.** 2020. Antibacterial and antioxidant activities of *Homalomena josefii* P.C. Boyce and S.Y. Wong rhizome extract. Food Research 4 (6) : 2122 - 2131

124. Salahaldin Fathalla, M., Mahyudin N. A., Mohamad Ghazali F., **Rukayadi Y.** and Jaafar S.N. 2020. Detection of enterotoxin gene (sea) and biofilm formation ability among multi-drug resistant *Staphylococcus aureus* isolated from shawarma sandwich sold at selected kiosks in Klang Valley, Malaysia. Food Research 4 (2) : 1234 - 1244

123. Alqadeeri, F. M., Abas, F., Shaari, K. and **Rukayadi, Y.** 2020. Tailed pepper (*Piper cubeba*) L. berries extract reduced number of microbial population in tofu. Food Research 4 (3) : 738 - 745

122. Rosni, N.K., Sanny M., Bahrnor N.S.A and **Rukayadi Y.** 2020. Physicochemical characteristics, microbiological safety and sensory acceptability of coconut dregs during fermentation using *Rhizopus oligosporus*. Food Research 4 (5): 1402-1411.

121. Juwitaningsih, T., Jahro, I.S., Sari, S.A. and **Rukayadi, Y.** 2020. Antibacterial activity of various medicinal plants in North Sumatra against common human pathogens. Research Journal of Chemistry and Environment 24 (1): 99-105.

120. Ben Lagha, O. M., Zakaria M. P., Ismail I. S., Nor-Khaizura M. A. R. and **Rukayadi Y.** 2020. Antibacterial activity of nutmeg (*Myristica fragrans* Houtt.) extract against foodborne pathogens and its effect on microbial population in raw beef during chilled and frozen storage. Food Research 4 (2): 380 – 388.

119. Fazly-Ann, Z., Nor-Hafizah M. Y. and **Rukayadi Y.** 2020. Antifungal activity of *Piper cubeba* L. extract on spoilage fungi isolated from tomato, grapes and lemon. Food Research 4 (1): 191-198.

118. Kusuma, S. A. F., Parwati I., Rostinawati T., Yusuf M., Fadhillah M., Ahyudanari R. R., **Rukayadi Y.** and Subroto T. 2019. Optimization of culture conditions for Mpt64 synthetic gene expression in *Escherichia coli* BL21 (DE3) using surface response methodology. Heliyon 5: e02741.

117. Kusuma, S.A.F, Parwati I., Rostinawati T., **Rukayadi Y.** and Subroto T. 2019. Improvement of extracellular secretion efficiency of recombinant protein from *Escherichia coli*: Signal peptide fusion, surfactant additions, and phospholipase C coexpression. Drug Invention Today 11 (9): 2200 – 2206.

116. Wan Moh Zain, W. Z., Ahmat N., **Rukayadi Y.**, Osman C.P., Yusoff N. A. H. and Windayani N.. 2019. *In vitro* antimycotic activity of chemical constituents from *Dipterocarpus verrucosus*, *Dipterocarpus cornutus* and *Dipterocarpus crinitus* against opportunistic filamentous fungi. Asian Journal of Agriculture and Biology 7 (3); 344-354.

115. Putri, E., **Rukayadi Y.**, Sunarti T.C and Meryandini A. 2019. Cellulolytic and xylanolytic *Actinomycetes* selection to degrade lignocellulosic biomass of *Robusta coffee* pulp (*Coffea canephora*). IOP

Conference Series: Earth and Environmental Science 299 (1): 012014.

114. Chang, W. S., **Rukayadi Y.**, Nor-Khaizura M. A. R., Najwa M.S., Kuan C.H., Malcolm T. T. H., New C. Y., Ubong A., Tan C. W., Kwan S. Y., Nordin Y., Ramzi S. O. B. and Radu S. 2019. Step-wise risk assessment of *Vibrio vulnificus* infection associated with the consumption of cockles. Food Research 3 (5): 587-596.

113. Tan, C. W , Noor Hazirah M. Z., Shu'aibu I., New C. Y., Malcolm T. T. H., Thung T. Y., Lee E., Wendy R. D., Nuzul N. J., Noor Azira A. M., Ungku Fatimah U. Z. A, **Rukayadi Y.**, Radu K. R. and Radu S. 2019. Occurrence and antibiotic resistance of *Salmonella* spp. In raw beef from wet market and hypermarket in Malaysia. Food Research 3 (1): 21-27.

112. Tan, C. W., Malcolm T. T. H., Premarathne J. M. K. J. K., New C. Y., Kuan C. H., Thung T. Y., Chang W. S., Loo Y. Y., **Rukayadi Y.**, Nakaguchi Y., Nishibuchi M. and Radu S. 2019. Preliminary quantitative microbial risk assessment of pathogenic *Vibrio parahaemolyticus* in short mackerel in Malaysia. Microbial Risk Analysis 12 (8): 11-19.

111. Chai, K. F., Adzahan N. M., Karim R., **Rukayadi Y.** and Ghazali H. M. 2019. Characterization of rambutan (*Nephelium lappaceum* L.) seed fat and anti-nutrient content of the seed during the fruit fermentation: Effect of turning intervals. LWT – Food Science and Technology 103 (4): 199 – 204.

110. Othman, A. F. M., **Rukayadi Y.** and Radu S. 2019. Inhibition of *Pseudomonas aeruginosa* quorum sensing by *Curcuma xanthorrhiza* Roxb. extract. Journal of Pure and Applied Microbiology 13 (3): 1335-1347.

109. Voon, W. W. Y., Muhiaddin B. J., Yusof N. L., **Rukayadi Y.** and Meor Hussin A. S. 2019. Bio-cellulose production by *Beijerinckia fluminensis* WAUPM53 and *Gluconacetobacter xylinus* 0416 in sago by-product medium. Applied Biochemistry and Biotechnology 187 (1): 211-220.

108. Rochintaniawati, D., Riandi R., Kestianty J., Kindy N. and **Rukayadi Y.** 2019. The analytical of biology teacher's technological pedagogical content knowledge development in lesson study in West Java Indonesia. Jurnal Pendidikan IPA Indonesia 8 (2): 201 – 210.

107. Alqadeeri, F., **Rukayadi Y.**, Abbas F. and Shaari K. 2019. Antibacterial and antispore activities of isolated compounds from *Piper cubeba* L. Molecules 24 (17): 3095.

106. Kusuma, A. S. F., Rusmiati D., Asyani A. L. and **Rukayadi Y.** 2019. Antistaphylococcal spectrum activity of *Cinnamomum burmannii* stem bark extract. Drug Invention Today 11 (6): 1287 – 1291.

105. Fazly Ann Z. and **Rukayadi Y.** 2019. Antibacterial activity of ethanolic *Piper cubeba* L. extract against *Escherichia coli* and its effect on microbiological quality of raw chicken meat during storage. International Food Research Journal 26 (3): 933 – 944.

104. Chai, K. F., Adzahan N. M., Karim R., **Rukayadi Y.** and Ghazali H. M.. 2019. Fat properties and antinutrient content of rambutan (*Nephelium*

lappaceum L.) seed during solid-state fermentation of rambutan fruit. Food Chemistry 275: 808-815.

103. Chai, K. F., Chang L. S., Adzahan N. M., Karim R., **Rukayadi Y.** and Ghazali H. M. 2019. Physicochemical properties and toxicity of cocoa powder-like product from roasted seeds of fermented rambutan (*Nephelium lappaceum* L.) fruit. Food Chemistry 271: 298-308.

102. Salsabilla, K.A., U.K. Md Shah, H. Ariffin, **Y. Rukayadi**, N. Salikin, and W. Rosmarini. 2018. Enhancement of β -1,3 glucanase production from *Penicillium oxalicum* T3.3. International Journal of Environmental & Agriculture Research 4 (12): 22-31.

101. Eliaser EM, JH. Ho, NM. Hashim, **Y. Rukayadi**, GC. Lian, and AF. Razis. 2018. Phytochemical constituents and biological activities of *Melicope lunu-ankenda*. Molecules 20 (10): 2708.

100. Chai KF, LS. Chang, NM. Adzahan, R Karim, **Y. Rukayadi** and HM. Ghazali. 2018. Selected physicochemical properties of registered clones and wild types rambutan (*Nephelium lappaceum* L.) fruits and their potentials in food products. Sains Malaysiana 47(7): 1483-1490.

99. Kusuma SAF, Rostinawati T, M. Yusuf, M. Fadillah, LD. Tanti, RR. Ahyudanari, **Y. Rukayadi**, and T. Subroto. 2018. Construction and expression of synthetic gene encoding MPT64 as extracellular protein in *Escherichia coli* BL21 (DE3) expression system. Journal of Pharmaceutical Science and Research 10 (10): 2659-2665.

98. Ramli S, KY Lau and **Y. Rukayadi**. 2018. Antibacterial and sporicidal activity of *Syzygium polyanthum* extract against *Bacillus cereus* isolated from rice. Sains Malaysiana 47 (10): 2301-2310.

97. Abobaker AG, K. Shaari, I. Safinar and **Y. Rukayadi**. 2018. Antibacterial and sporicidal activity of *Syzygium polyanthum* L. extract against vegetative cells and spores of *Bacillus pumilus* and *Bacillus megaterium*. Journal of Pure and Applied Microbiology 12(3): 1047-1053.

96. Mazlan R.N.A.R., **Y. Rukayadi**, M. Mulidiani and I.S. Ismail. 2018. Solvent extraction and identification of active anticariogenic metabolites in *Piper cubeba* L. through 1H-NMR-based metabolomics approach. Molecules 23: 1730.

95. Loo Y.Y., **Y. Rukayadi**, M. Ab. R. N. Khaizura, C.H. Kuan, B. W. Chieng, M. Nishibuchi and S. Radu. 2018. *In vitro* antimicrobial activity of green synthesized silver nanoparticles against selected Gram-negative foodborne pathogens. Frontier in Microbiology 8, (2697): 1-7.

94. Chai K.F., N.M. Adzahan, R. Karim, **Y. Rukayadi** and H.M. Ghazali. 2018. Characteristics of fat, and saponin and tannin contents of 11 varieties of rambutan (*Nephelium lappaceum* L.) seed. International Journal of Food Properties 21 (1): 1091-1106.

93. Santhanam RK, I.S. Fakurazi, S. Ahmad, F. Abas, I.S. Ismail, **Y. Rukayadi**, M.T. Akhtar and K. Shaari. 2018. Inhibition of UVB-induced pro-inflammatory cytokines and MMP expression by *Zanthoxylum rhetsa* bark extract and its active constituent hesperidin. Phytotherapy Research:

1-9.

92. Ramli S, L. Y. Lim, N.I.P. Samsudin and **Y. Rukayadi**. 2018. Effect of salam [*Syzygium polyanthum* (Wigt) Walp.] leaves extract on the microorganism population in chicken meat and shrimp and their sensory. International Food Research Journal 25 (3): 928 - 915.

91. Zakuan Z and **Y. Rukayadi**. 2018. Antifungal activity of *Boesenbergia rotunda* (temukunci) extract against filamentous spoilage fungi from vegetables. International Food Research Journal 25 (1): 433 - 438 .

90. Thung TY, S. Radu, NA. Mahyudin, **Y. Rukayadi**, Z. Zakaria, N. Mazlan, BH. Tan, E. Lee, SL. Yeoh, YZ. Chin, CW. Tan, CH. Kua, DF. Basri, and CWJWM. Radzi. 2018. Prevalence, virulence genes and antimicrobial resistance profiles of *Salmonella* serovars from retail beef in Selangor, Malaysia. Frontiers Microbiology Volume 8, Article 2697: 1-8.

89. Elham T, H. Ghozali, **Y. Rukayadi** and S. Hammeed. 2018. Effect of microfluidization condition on physicochemical properties and inhibitory activity of nanoemulsion loaded with natural antibacterial mixture. Food and Bioprocess Technology 11: 645–659.

88. Ramli S, K. Shaari, S. Radu and **Y. Rukayadi**. 2017. Effect of salam (*Syzygium polyanthum* L.) leaves extract on the microorganism population in chicken meat and shrimp and their sensory acceptability. BioMed Research International. Article ID 9024246.

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	<p>food materials. The 5th International Phytochemicals Symposium: Phytochemicals and Beauty. The Korean Society of Food Science and Technology. Seoul, Korea, September 20. p. 165-200.</p> <p>8. Rukayadi Y. 2007. Beauty functions of tropical medicinal plants and food materials. The 5th International Phytochemicals Symposium: Phytochemicals and Beauty. The Korean Society of Food Science and Technology. Seoul, Korea, September 20. p. 165-200. (Proceeding).</p> <p>7. Rukayadi Y. 2006. Antifungal activity of xanthorrhizol against pathogenic <i>Candida</i>, filamentous fungi, and <i>Malassezia</i>. In: Proceeding A day Symposium of xanthorrhizol as a novel bioactive compound. Seoul, Korea, June, 19, 2006. p. 24-48. (Proceeding)</p> <p>6. Rukayadi Y. 2006. Temu Giring (<i>Curcuma heyneana</i>) and Bengkuang (<i>Pachyrrhizus erosus</i>) for Beauty Care. In: Proceeding Symposium Marketing Status and New Material of a Charming Functional Food. Seoul, Korea, February 17, 2006. p. 287-316. (Proceeding)</p> <p>5. Hwang JK. and Y. Rukayadi. 2005. Development of functional foods using tropical foods and medicinal plants. In: Proceeding Bio-festival of Industry-University Association: Bio-workshop and Exhibition of Industry-University. Suanbo, Korea, November 24, 2006. p. 205-217. (Proceeding).</p> <p>4. Hwang JK. and Y. Rukayadi. 2005. Tropical jamu materials for beauty food development. In: Proceeding Symposium New Challenge in Functional Foods: Functional foods for cosmetics. Seoul, Korea, November 11, 2005. p. 133-158. (Proceeding).</p> <p>3. Rukayadi Y. and A. Suwanto. 2005. Biodiversity analysis and Tropical Microbial Bioprospecting. In: Proceeding International Symposium Biodiversity and Bioactive Potentials of Tropical Natural Resources. Seoul, Korea, April 19, 2005. p. 1-23. (Proceeding).</p> <p>2. Rukayadi Y. and JK. Hwang. 2004. Quorum sensing and its diverse implications. In: Proceeding Symposium Phytochemical Potentials of Tropical Natural Resources. Seoul, Korea, November 23, 2004. p.1-18. (Proceeding).</p> <p>1. Fredy T., MT. Suhartono, S. Rahayu, H. Natsir, D. Chandra, Y. Rukayadi, JK. Hwang, and YR. Pyun. 1999. Screening of chitinase producing microorganism from West Java Indonesia (Part I). In: Proceeding National Seminar on Food Technology. Jakarta, p.518-526. (Proceeding)</p>
<p><i>Other publications</i></p>	<p>POPULAR ARTICLES</p> <p>1. Rukayadi, Y. 2007. Enjoy Research and Life in Soul of Asia, Seoul – Korea. Biotechnology - BT News, Korea 14: 18-21.</p> <p>2. Rukayadi, Y. 2006. Bacteria on the salad. Cupumanik 30: 54-56.</p> <p>3. Rukayadi, Y. 2004. Quorum sensing. Cupumanik 9: 34-36.</p> <p>4. Rukayadi, Y. 2002. An essay of foreign researcher in Korea: Research and life in Korea. Korea Science & Engineering Foundation (KOSEF) Newsletter 35:16-17.</p> <p>5. Rukayadi, Y. 2002. Free Korean class and field trip for foreign post-doctorate researchers in Yonsei University. Research Information Yonsei University 4:5.</p> <p>6. Rukayadi, Y. 2001. Enjoyable post-doctoral research at Bioproducts Research Center (BRC), Yonsei University. Korea Science & Engineering Foundation Newsletter 27:17-18.</p>

Computer software	-				
I. PROJEK PENELITIAN TERDAHULU (Past Research Project)					
Project No.	Project Title	Role	Year	Source of fund	Status
	Bioactivities of Pink Pigments of Pink-Pigmented Facultative Methyloprophs (PPFMs) Bacteria Isolated from Leafy Malaysian Table Salad (Ulam)	Project Leader	2017-2022	GP-IPS-UPM	On going
	Antifungal Effect of Essential Oils from Selected Malaysian Herbs against Spoilages and Mycotoxigenic Fungi; Factors Affecting Antifungal Volatile Release	Project Member	2020 - 2022	FRGS	On Going
	The physico-chemical, phytochemical, antioxidant and shelf-life characteristics of hexanal vapour treated durian fruits	Project Member	2019 - 2022	FRGS	On going
	Modelling of Drying Process of Foam Mat Dried Soursop Powder	Project Member	2019 - 2022	FRGS	On going
	Development of New Pyrazole Derivatives of Pyrrolylated-Chalcones as Antibacterial Agents	Project Member	2018 - 2020	GP-IPS-UPM	Completed
	Synthesis, characterization, purify evaluation, and LC-MS/MS method for the determination of 2,4,6-trihydroxygeranyl acetophenone a natural product compound in rats' plasma	Project Member	2018 - 2020	GP-IPS-UPM	Completed
	Physicochemical Characteristics, Microbial Safety and Biological Activities of Fermented Sesame Seeds Dregs	Project Leader	2018 - 2020	GP-IPS-UPM	Completed
	Antibacterial and Antispore Activity and Phytochemicals Analyses of <i>Piper cubeba</i> L. berries extract	Project Leader	2018 - 2020	GP-IPS-UPM	Completed
	Characteristics and Bioactivity of Colostrum Kefir as Functional Food	Project Leader	2019	UIN Sunan Gunung Jati, Bandung	Completed
	Eksplorasi Senyawa Organik Bahan Alam dari Sumber Alam Hayati (Local Resources), Transformasi Gugus Fungsi, Uji Aktivasnya dan Pengembangan Potensinya	Project Member	2019	Universitas Negeri Malang (UNM)	Completed
	Studi Aktivitas Antibakteri Trigliserida Nabati dan Senyawa-Senyawa Derivatnya, dan Pengembangan Potensinya sebagai Antibiotik	Project Member	2021	Universitas Negeri Malang (UNM)	Completed
	Studi Aktivitas Minyak Zaitun (<i>Olea europaea</i>) dan Derivatnya (K-Salt, Fame, Fatty Acid Amide, Free Fatty Acids) Terhadap Pertumbuhan Bakteri	Project Member	2021	Universitas Negeri Malang (UNM)	Completed

	dan Potensinya sebagai Antimicroba Pangan				
GPIPS/2015/9450300	Anticariogenic activity of <i>Piper cubeba</i> L. extract and its compounds against <i>Streptococcus mutans</i>	Project Leader	2015 - 2016	GP-IPS-UPM	Completed
GPIPS/2014/9446800	Determination of antibacterial compounds in fractionations of fermented cocoa extracts with different starter cultures	Project Leader	2015 - 2016	GP-IPS-UPM	Completed
FRGS/2/2014/SG05/UPM/02/2	Identification of antispore markers in bay leaf (<i>Syzygium polyanthum</i> L.) employing LCMS- and NMR metabolomics approaches	Project Leader	2014 - 2016	FRGS - MOHE	Completed
GPIBT/2013/9410800	Isolation and discrimination of xanthorrhizol from the rhizome of temu lawak (<i>Curcuma xanthorrhiza</i> Roxb.) through the use of GCMS and IR based metabolomics for the production of potential natural antimicrobial agent against antibiotics-resistant bacteria	Project Leader	2013 - 2015	RUGS-UPM	Completed
	Production of biocellulose from Malaysian food waste by biocellulose-producing bacteria isolated from local acidic fruits	Project member	2013 - 2015	RUGS-UPM	Completed
	Modulation of carcinogen metabolizing enzymes by glucosinolate gluconasturtiin for anti-cancer	Project member	2013 - 2015	RUGS-UPM	Completed
GPIPS/2013/9396700	Sporicidal activity of edible medicinal plants extract against <i>Bacillus cereus</i> and <i>Bacillus subtilis</i>	Project Leader	2013 - 2014	RUGS-UPM	Completed
FRGS/2/2013/STWN04/UPM/02/1)	Characterization of the role and growth promoting properties of bacteria symbiotically associated with red seaweed, <i>Gracilaria changii</i>	Project member	2013 - 2015	FRGS-MOHE	Completed
FRGS/1/2013/SG05/UPM/02/1	Induction of Secondary Metabolites Biosynthesis from Marine Fungal Isolates As Potential Inhibitors of <i>Listeria monocytogenes</i> Biofilm Formation	Project member	2013 -2015	FRGS-MOHE	Completed
	NMR-and LCMS-Metabolomics Approach in Identifying Anti-Pathogen Markers of <i>Andrographis paniculata</i> (Hempedu Bumi)	Project member	2012 -2014	ERGS-MOHE	Completed
02-05-11-1586RU	Antimicrobial activity of tropical EMPE Edible Medicinal Plant Extract for Natural Food Preservative	Project Leader	2011	RUGS-4	Completed