

# SENTOOR KUMERAN GOVINDASAMY

MARDI Bagan Datuk  
Jalan Bagan Datuk,  
36307 Sungai Sumun,  
Perak Darul Ridzuan  
Tel: 05-6489242  
Fax: 05-6489132  
www.mardi.gov.my  
sentoor@mardi.gov.my

## Education

- M.Sc. Plant Breeding and Genetics, 2014  
University of Putra, UPM, Serdang  
Research Advisor: Prof. Dr. Mohd Rafii b Yusop
- B.Sc. Plant Bioteknologi, 2004  
University of Malaya, Kuala Lumpur

## Experience

- Senior Research Officer* 2016-present  
*Industrial Crop Research Centre*  
*MARDI*
- Coconut Plant Breeding
- Research Officer* 2004-2016  
Rice and Industrial Crop Research Centre  
Crop and Soil Science Research Centre
- Herbs and Medicinal Plant Breeding  
Coconut Plant Breeding

## Funding Sources/Grants Awarded

### Current -

MARDI DEVELOPMENT FUND -RMK-11  
SKB-MOA

## Publications

No	Title	Source
1	Coconut Fruit Component Analysis (FCA) and Correlation Study in Six Coconut Accessions in MARDI Jerangau	Buku laporan teknikal Pusat SS 2017, Serdang, Selangor
2	Fruit Component and Correlation Analysis in Coconut Germplasm Collection in Jerangau	Sentoor K.G. (2018). Fruits components and correlation analysis of a coconut germplasm collection in Jerangau. In Proceeding Book of National Coconut Conference 2018: Empowering Coconut Industry, 7-9 August 2018, Kinta Riverfront Hotel and Suites, Ipoh, Perak. Rozeita, L., Sivapragasam, A., Muhammad Zamharir, A., Tan, S.L., Ahmad Hanif, I., Md Akhir, H., Wan Zaki, W.M., Tapsir, S. & Badrulhadza, A. (eds). Malaysian Agricultural & Development Inst, eISBN 978-967-936-663-1, pp39-43
3	Evaluation of three coconut hybrids in MARDI Hilir Perak	Laporan Pusat Sains Tanaman dan Tanah, 2015, Serdang
4	Fruit Component Analysis and Determination of Genetic Distance in 20 Accessions of Coconut in MHP	Laporan Teknikal Pusat Sains Tanaman dan Tanah, 2015, Serdang
5	Penilaian Biodiversiti Morfologi Buah Kelapa Untuk 9 Jenis Hibrid Kelapa di MARDI	Persidangan Agrobiodiversity Kebangsaan, 4-6 Oct 2016, Kuala Terengganu
6	The Bawang Coconut Variety For Tall Type Coconut Growers	MSTE 2016 MAEPS, SERDANG 10-13 OKTOBER 2016
7	Yield and Fruit Morphometric Analysis of Three Coconut Hybrids in MARDI	The 14th Symposium of MSAB, 29-31 May 2016, Melaka
8	ANALYSIS OF FRUIT COMPONENTS AND DETERMINATION OF GENETIC DISTANCE IN 20 CULTIVARS OF COCONUTS IN MARDI HILIR PERAK.	International Conference on Crop Improvement, 2-3 Dec 2015, UPM Malaysia
9	Genetic Variability and Selection of Coconut (cocos nucifera) Genotypes for High Coconut Milk Yield in Malaysian Agricultural and Research Development Institute (MARDI).	SABRAO 13th Congress and International Conference, IPB International Convention Center, 14-16 September 2015, Bogor Indonesia
10	Genetic Variability of Coconut (cocos nucifera) Genotypes Selected for Coconut Milk Yield in MARDI.	Bengkel penulisan JFTAS, 29-30 Sept 2014 Kuala Terengganu
11	Growth and Eurycomanone Content Performance of Malaysian Tongkat Ali Germplasm	2nd International Plant Breeding Seminar: Advance Breeding Strategies In Crop Improvement 14th -15th October 2014 Serdang
12	High growth and root yield performing Tongkat Ali accessions ( Eurycoma Longifolia) in Malaysia.	MSTE 3-5 November 2014 Serdang
13	High growth and root yield performing Tongkat Ali accessions ( Eurycoma Longifolia) in Malaysia.	Malaysian Agricultural Innovation Challenge 6-8 Nov 2014 Serdang
14	New Coconut Hybrids for Malaysian Coconut Farmers	MSTE, 3-5 November 2014, Serdang
15	New Coconut Hybrids for Malaysian Coconut Farmers	Malaysian Agricultural Innovation Challenge 6-8 November 2014 Serdang
16	Genetic Diversity and Root Yield of Potential Genotypes with in Eurycoma longifolia Germplasm in Malaysia	The 5th Global Summit on Medicinal and Aromatic Plants, December 8-12, 2013, Miri, Sarawak, Malaysia
17	Fruit Components Analysis and Determination of Genetic Distance in 20 Accessions of Coconuts in MARDI Hilir Perak.	Seminar dan mesyuarat teknikal Pusat RI, 17-19 October 2012, Langkawi, Kedah.
18	Soal Jawab Tanaman Herba	Akhbar Sinar Harian 18 OCT 2011
19	Genetic Diversity and Identifications of Potential Genotypes within Eurycoma longifolia Germplasm in Malaysia	Agricongress UPM 2009 27-29 OCT 2009 Mines Seri Kembangan
20	Optimization of callus induction in Coconut cv MATAG anther cultures.	Zuraida A.R., Sentoor Kumaran G., Ahmad N. and Ayu Nazreena O. Optimization of callus induction in Coconut cv MATAG anther cultures. International journal of applied science and research. 2019, 2(3): pp:20-27.
21	Penghasilan Kopra Putih Bagi Pengeluaran Minyak Kelapa	Bengkel Pemindahan Teknologi Produk Hiliran Dan Mekanisasi/ Automasi Kelapa, Hotel Palm Garden, Putrajaya, 1-2 April 2019
22	Trichospilus pupivorus: A potential parasitoid to a new invasive coconut pest, Opisina arenosella in Malaysia	Nor Ahya, M., Sentoor Kumaran, G. and Tajul Ariffin, A. Y. (2018). Trichospilus pupivorus: A potential parasitoid to a new invasive coconut pest, Opisina arenosella in Malaysia. Proceeding of MARDI Science and Technology Exhibition (MSTE ) 2018, 8-10 Oct 2018, Ayer Keroh, Malacca. pp.
23	Application of next generation sequencing (NGS) for the identification of microsatellite markers in coconut.	Application of next generation sequencing (NGS) for the identification of microsatellite markers in coconut. Shahril Ab Razak, Sentoor Kumaran Govindasamy, Nor Helwa Ezzah Nor Azman, Muhammad Fairuz Mohd Yusof, Khairun Hisam Nasir & Ahmad Ngalim. International Plant Breeding Conference, 13-15 November 2018, Hotel Bangi Putrajaya.
24	Buku Teknologi Inovasi Penyelidikan Kelapa di MARDI (2000-2017)	Rozeita Laboh, Ahmad Ngalim dan Sentoor Kumaran Govindasamy (eds). (2018). In: Buku Teknologi Inovasi Penyelidikan Kelapa di MARDI (2000-2017). National Coconut Conference 2018 : Empowering Coconut Industry, 7-9 August 2018, Kinta Riverfront Hotel, Ipoh. ISBN 978-967-936-662-4, 126 pp
25	Influence of 2,4-D, NAA and IAA of callus induction in anther cultures of Coconut MATAG.	Zuraida A.R., Sentoor Kumaran G., Ahmad N. and Ayu Nazreena O. Influence of 2,4-D, NAA and IAA of callus induction in anther cultures of Coconut MATAG. National Coconut Conference 2018. Kinta Riverfront hotel and Suites, Ipoh Perak.7-9 August 2018. Pg 129-134
26	Regeneration of In Vitro Shoot and Root Structure Through Hormone Manipulation of Coconut (MATAG F2) Zygotic Embryos.	Zuraida A.R., Sentoor Kumaran G., Ahmad N., Syahirah Farhanah M.S. and Ayu Nazreena O (2017). Regeneration of In Vitro Shoot and Root Structure Through Hormone Manipulation of Coconut (MATAG F2) Zygotic Embryos. American Journal of Plant Sciences, 8, 340-348
27	Callus Induction From Zygotic Embryos Of Coconut MATAG F2.	A. R. Zuraida, G. Sentoor Kumaran, N. Ahmad, M. S. Syahirah Farhanah and O. Ayu Nazreena. (2017). Callus Induction From Zygotic Embryos Of Coconut MATAG F2. Asian Research Journal of Agriculture. 3(2): 1-6.
28	Motorless Pre-mix Soda Fountain For Carbonated Coconut Water	Hari Inovasi MARDI 18 & 19 September 2017, MAEPS Serdang Selangor
29	The present scenario and future prospect of coconut tissue culture.	Zuraida A.R., Sentoor Kumaran G., Ahmad N., and Ayu Nazreena O. The present scenario and future prospect of coconut tissue culture. ScientiaMardi. (2017). vol: 010 pg1&5
30	Technical book of research consultation programme (RCP) for coconut	Rozeita, L., Ahmad, N., Khairul, I., Wan Khairul A. W. A., Md. Akhir, H.,

	: Application of various technologies from upstream to downstream R&D programme to enhance coconut industry for the nation	Kamariah, L., A., Norma, H., Mohd Rashid, R., Mohd Hafizudin, Z., Sentoor K. G., and Badrullhadza, A. (2017). Technical book of research consultation programme (RCP) for coconut : Application of various technologies from upstream to downstream R&D programme to enhance coconut industry for the nation. Research Consultation Programme (RCP) 2018 For coconut, 18-20 April, 2017, Grand Court Hotel, Teluk Intan, Perak, Malaysia, 131 pp
31	Coconut Seedling Growth Response From Integration Of Nitrogen And Potassium In Different Sowing Method	Soil Science Conference of Malaysia 2016, Soil Improvement for Sustainable Crop Production, 5 - 7 April 2016, TH Hotel & Convention Centre, Kuala Terengganu, Terengganu
32	KELAPA PILIHAN SELAIN MATAG	MESYUARAT JPKM 19/02/2016
33	UPSTREAM AND DOWNSTREAM R&D PROGRAMMES OF COCONUT IN MARDI	National Coconut Workshop 2016, 9 August 2016
34	Production and Evaluations of Coconut Oil Produced from White Copra Materials	Persidangan Kelapa Kebangsaan - UPM 5 September 2016
35	Methyl esters profile for coconut oil quality control.	Buku Hari Inovasi MARDI, MSTE 2016, Dewan D, MAEPS Serdang Selangor, terbitan MARDI, pp 17.
36	Genetic Diversity evaluation of MARDI's Coconut (Cocos nucifera L.) Germplasm using simple Sequence Repeats	International Journal on Coconut R & D-Vol.32, 2016
37	INTEGRATED OF NITROGEN AND POTASSIUM: EFFECT ON COCONUT SEEDLING GROWTH AT DIFFERENT SOWING METHODS	25th Malaysian Society of Plant Physiology Conference (MSPPC 2015) "Environmental Conservation: Role of Plant Physiology", 18-20 August 2015, Ipoh, Perak, Malaysia.
38	Effect of physiological conditions and plant growth regulators on in vitro development of Matag coconut F2 zygotic embryos.	Zuraida A.R., Sentoor Kumaran G., Mazidah M., Ayu Nazreena O. Effect of physiological conditions and plant growth regulators on in vitro development of Matag coconut F2 zygotic embryos. Annals of Biological Research. 2015. 6(6): 75-80
39	Effect of Shaking and Light Conditions on Germination of Matag Coconut Embryos.	Zuraida A.R., Sentoor Kumaran G., Mazidah M., and Ayu Nazreena O. Effect of Shaking and Light Conditions on Germination of Matag Coconut Embryos. Second International Postgraduate Conference on Agricultural and Biological Science. Langkawi Seaview Hotel, 4-5 August 2015.007-ipcabs. pg30-31
40	Penghasilan Kopra Putih daripada Kelapa Bagi Pengeluaran Minyak Kelapa Tempatan	CONFERTECH 2015, PERSIDANGAN KEBANGSAAN PEMINDAHAN TEKNOLOGI 2015 (CONFERTECH 2015) yang akan diadakan pada 07-09 APRIL 2015 bertempat di RIVERSIDE MAJESTIC HOTEL, KUCHING, SARAWAK.
41	Effect of BAP and NAA on Coconut Palm (Matag), Cocos Nucifera Expansion Cultured on In Vitro Media	Zuraida A.R., Sentoor Kumaran G, Azmi M., Ayu Nazreena O. and Fatin Liyana Izzati K. (2014). Effect of BAP and NAA on Coconut Palm (Matag), Cocos Nucifera Expansion Cultured on In Vitro Media. Proceeding of 13th Symposium Malaysian Society of Applied Biology. The Legend Resort, Cherating Kuantan. 8-10 jun2014. Article ID 2014031
42	Effect of Growth Regulators on In Vitro Germination of Coconut Matag 2 Zygotic Embryos in Liquid and Solid Culture Media	Zuraida A.R., Sentoor Kumaran G., Azmi M., Ayu Nazreena O., and Fatin Liyana Izzati K. (2014). Effect of Growth Regulators on In Vitro Germination of Coconut Matag 2 Zygotic Embryos in Liquid and Solid Culture Media. American Journal of Research Communication, 2014, 2(7): 1-9
43	Fibre Enriched Carbonated Young Coconut Water	INNOVA Food-2014 Proceeding. International Conference of Food Innovation 2014, 27-29 Aug. 2014, Parkroyal Penang Resort, Penang Malaysia. pg.272-278
44	DNA Fingerprinting and Genetic Diversity Evaluation of MARDI's Coconut (Cocos nucifera) Germplasm Collection	Agrobiodiversity and Agroenvironment Symposium 2014 (ABES 2014)
45	DNA Finger printing and Genetic Diversity Evaluation of MARDI's Coconut (Cocos nucifera) germplasm collection	Agrobiodiversity and Agroenviroment symposium, 15-18 September 2014, Kuching Sarawak
46	Fibre Enriched Carbonated Young Coconut Water	Hari Inovasi MARDI 2014, 3-5 Nov 2014, MAEPS Serdang Selangor
47	Genetic variability of sweet potato (Ipomoea batatas Lam.) genotypes selected for vegetable use	Journal of Food, Agriculture & Environment Vol.11 (2): 340-344. 2013
48	Evaluation of commercial pheromone lures and trap locations for controlling red stripe palm weevil (Rhynchophorus vulneratus) in coconut ecosystem	5th IPM Symposium, 18-20 Decemebr 2012, Sabah, Malaysia.