



## CURRICULUM VITAE

<b>A. BUTIR-BUTIR PERIBADI</b> ( <i>Personal Details</i> )					
Nama Penuh ( <i>Full Name</i> )		Mohd Azhar Hassan		Gelaran ( <i>Title</i> ): Mr.	
No. MyKad / No. Pasport ( <i>Mykad No. / Passport No.</i> ) 840807-07-6049		Warganegara ( <i>Citizenship</i> ) Malaysian	Bangsa ( <i>Race</i> ) Malay	Jantina ( <i>Gender</i> ) Male	
Jawatan ( <i>Designation</i> )		Research Officer	TarikhLahir ( <i>Date of Birth</i> )	7 August 1984	
Alamat Semasa ( <i>Current Address</i> )		Jabatan/Fakulti ( <i>Department/Faculty</i> )		E-mel dan URL ( <i>E-mail Address and URL</i> )	
Breeding Programme, Horticulture Research Centre, Ibu Pejabat MARDI 43400 Serdang, Selangor  Tel: 03-89536232 Fax:03-89536272		Breeding Programme, Horticulture Research Centre, Ibu Pejabat MARDI 43400 Serdang, Selangor  Tel: 03-89536232 Fax:03-89536272		E-mail: mazhar@mardi.gov.my  URL: www.mardi.gov.my  H/P: 012-2646409	
<b>B. KELAYAKAN AKADEMIK</b> ( <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> )
Master of Science, MSc		Universiti Kebangsaan Malaysia (UKM), Malaysia		2017	Plant Genetics
Bachelor of Science (Hons)		Universiti Putra Malaysia (UPM), Malaysia		2006	Biotechnology
<b>C. KEMAHIRAN BAHASA</b> ( <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				√	
Bahasa Melayu					√
Lain-lain ( <i>other</i> ):					-

<b>D. PEKERJAAN</b> ( <i>Employment</i> )				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
MARDI	Research Officer	December 2007	To date	Plant breeding and genetics
Akademi Sains Malaysia	Science Officer	January 2007	November 2007	Secretariat and event management
Hexagon Green Sdn Bhd	Lab assistant	July 2006	December 2006	Tissue culture

<b>E. ANUGERAH DAN HADIAH</b> ( <i>Honours and Awards</i> )			
<i>Name of Awards</i>	<i>Award Authority</i>	<i>Level</i>	<i>Year</i>
Gold medal – Malaysia Technology Expo 2019 (A precision soil injection system for plant disease control)	MARS	National	2019
Silver medal – MARDI Science and Technology Exhibition 2018 (Evaluation and selection of papaya hybrid tolerant to papaya dieback disease)	MARDI	Institute	2018
Silver medal – MARDI Science and Technology Exhibition 2018 (Survival and Recovery Evaluation of Traditional Rice in Submergence Environment)	MARDI	Institute	2018
Silver medal – MARDI Science and Technology Exhibition 2018 (Performance of Abp57 Gene in F1 Lines from Hybridization between Transgenic Donors with Commercial Rice Variety MR284 for Drought Tolerance)	MARDI	Institute	2018
Gold medal - MARDI Science and Technology Exhibition 2013 (Evaluation and selection of red blush mango progenies)	MARDI	Institute	2013
Bronze medal - MARDI Science and Technology Exhibition 2013 (New sweet 'piping leaf' pineapple hybrid for fresh consumption)	MARDI	Institute	2013

<b>F. SENARAI PENERBITAN</b> ( <i>List of publications</i> )	
<i>Journal</i>	<p>Hassan, M. A., Razak, M. A., Baharom, A. H., Sah, M. S. M., &amp; Rahman, M. Z. A. (2018). Effects of Plant Growth Regulators on Root Culture and Yeast Extract Elicitation on Metabolite Profiles of <i>Polygonum minus</i>. <i>Sains Malaysiana</i>, 47(12), 3085-3094.</p> <p>Hassan, M. A., Asrul, S. M., &amp; Johari, S. (2013). Variation study on morphological characters among <i>Mangifera indica</i> L.'Chok Anan' for development of superior mango clone. <i>Acta Horticulturae</i>, (1012), 305-313.</p> <p>Hassan, M. A., Muhammad Afiq, T. A., Mariatulqabtiyah, A. R., Mohd Musanif, G. and Adnan, A. (2018). Promising new superior mango varieties for commercial planting and urban landscape. <i>Horticulture Technical Report 2017</i>, 70-77.</p> <p>Hassan, M. A. and Sarip, J. (2007). Fruit assessment of 10 selected mango (<i>Mangifera indica</i> L.) accessions. <i>Horticulture Technical Report 2007</i>, 21-25.</p>
<i>Article in book</i>	<p>Hassan, M. A., Muhammad Shafie, M. S., Ghazalli, M. N. F. and Mariatulqabtiyah, A. R. (2018). Hakisan dan kerentanan genetik tanaman mangga: fenomena yang membimbangkan. In: <i>Agromedia Edisi Khas Buah-buahan 2018</i> (pp. 40-42).</p>

	<p>Hassan, M. A., Johari, S., Razali, M., Sanimah, S., Nur Azlin, R. and Nur Adliza, B. (2018). Pembangunan industri betik Malaysia. In: <i>Agromedia</i>. Bil 48, 2018 (pp 26-27).</p>
<p>Full Article in Conference Proceeding</p>	<p>Hassan, M. A., Ahmad Hafiz, B., Muhammad Shafie, M. S. and Mohamad Zulkiffely, A. R. (2018). Metabolite compounds profiling from elicitation of <i>Polygonum minus</i> huds. root culture via yeast extract. In <i>3rd ASEAN Microbial Biotechnology Conference 2018</i>, 24-26 April 2018, Kuching, Sarawak.</p> <p>Hassan, M. A., Ismanizan, I., Ahmad Hafiz, B., Muhammad Shafie, M. S. and Mohamad Zulkiffely, A. R. (2018). Optimization of normal root culture production in kesum. In: <i>28th Malaysian Society of Plant Physiology Conference</i>, 28-30 Ogos 2018, Kota Bharu, Kelantan.</p> <p>Hassan, M. A., Johari, S., Nur Sulastri, J., Salehudin, M. R., Norsyuhaida, A. S., Mohd Asrul, S., Razali, M., Noor Faimah, G., Zulfa, R. and Noraisah, R. (2018). New papaya hybrid tolerant to papaya dieback disease. In <i>International Plant Breeding Conference 2018</i>, 13-15 November 2018, Bangi, Selangor.</p> <p>Hassan, M. A., Muhammad Afiq, T. A., Mohd Shahril Firdaus, A. R., Mohd Musanif, G. and Adnan, A. 2017. Hibridisasi Mangga 'Harumanis' Melalui Kaedah Kacukan Silang Pendebungaan Terbuka. In: <i>Bengkel Harumanis 2017</i>, 20-21 November 2017, Arau, Perlis.</p> <p>Hassan, M. A., Hartinee, A., Mohd Asrul, S., Suhanna, A., Nor Hanis Aifaa, Y., Ahmad Hafiz, B., Musanif, G. and Adnan, A. 2015. Mangga Organik: Penyelidikan dan Pembangunan Teknologi Pertanian Organik. In: <i>Seminar Kebangsaan Pertanian Organik</i>, 2-3 Jun 2015, Alor Setar, Kedah.</p> <p>Hassan, M. A., Tengku Ab. Malik, T.M., Sarip, J., Nor Hanis Aifaa, Y. and Suhanna, A. (2014). Development of reddish-skinned mango hybrid for home landscape. In: <i>National Urban Horticulture Conference 2014</i>. 15-17 April 2014. Johor Bahru, Johor.</p> <p>Hassan, M. A., Nor Hanis Aifaa, Y., Sarip, J., Mohd Asrul, S. and Ahmad Hafiz, B. (2014). Physiochemical evaluation of mango accessions in MARDI Sintok, Kedah, Malaysia. In: <i>2nd International Plant Breeding Seminar</i>. 14-15 October 2014. Serdang, Selangor.</p> <p>Hassan, M. A., Sarip, J., Nor Hanis Aifaa, Y. and Suhanna, A. (2013). Evaluation and selection of red blush mango progenies. In: <i>10th Malaysia Genetics Congress</i>. 3-5 Disember 2013. Putrajaya, Selangor.</p> <p>Hassan, M. A., Sarip, J., Nor Hanis Aifaa, Y., Suhanna, A., Khairun Hisam, N. and Mohd Asrul, S. (2013). Mango hybridization program in Northern Region of Malaysia: Results and achievements. In: <i>International Conference on Crop Improvement 2013</i>. 25-26 November 2013. Bangi, Selangor.</p> <p>Hassan, M. A., Ahmad Hafiz, B., Mohd Asrul, S. and Hartinee, A. (2012). Evaluation, identification and selection of promising Chok Anan mango variants at Pendang, Kedah, Malaysia. In: <i>Malaysia International Biological Symposium</i>, 11-12 July 2012, Selangor.</p> <p>Hassan, M. A. and Mohd Asrul, S. (2012). Screening of Chok Anan mango resistant against anthracnose. In: <i>Plant Breeding Seminar: Advances in Plant Improvement</i>, 3-5 July 2012, Selangor.</p> <p>Hassan, M. A. (2011). Mango germplasm evaluation in MARDI Bukit Tangga, Kedah. In: <i>Taxonomist and Ecologist Conference 2011</i>, 19-20 April 2011, Sarawak.</p> <p>Hassan, M. A. and Ithnin, B. (2009). Hybridization of Chok Anan with Strawberry mango clones by hand pollination technique. In: <i>8th Malaysia Genetics Congress</i>, 4-6 August 2009, Pahang.</p>
<p>Other publications</p>	<p>Hassan, M. A., Johari, S., Nur Sulastri, J., Salehudin, M. R., Norsyuhaida, A. S., Mohd Asrul, S., Razali, M., Noor Faimah, G., Zulfa, R. and Noraisah, R. (2018). Evaluation and selection of papaya hybrid tolerant to papaya dieback disease. In <i>MARDI Science and Technology Exhibition 2018</i>, 8-10 Oktober 2018, MITC, Melaka (pp. 38-39).</p>

	<p>Muhammad Shafie, M. S., Mohd Ikmal, A., Noraziyah, A. A. S., Hassan, M. A., Ahmad Hafiz, B. And Mohamad Zulkiffely, A. R. (2018). Survival and Recovery Evaluation of Traditional Rice in Submergence Environment. In <i>MARDI Science and Technology Exhibition 2018</i>, 8-10 Oktober 2018, MITC, Melaka (pp. 153-154).</p> <p>Ahmad Hafiz, B., Lay-Wen, T., Zamri, Z., Noraziyah, A. A. S., Hassan, M. A., Muhammad Shafie, M. S. and Mohamad Zulkiffely, A. R. (2018). Performance of Abp57 Gene in F1 Lines from Hybridization between Transgenic Donors with Commercial Rice Variety MR284 for Drought Tolerance. In <i>MARDI Science and Technology Exhibition 2018</i>, 8-10 Oktober 2018, MITC, Melaka (pp. 115-116).</p>
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<b>G. PROJEK PENYELIDIKAN (Research Project)</b>					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year/ Amount</i>	<i>Source of fund</i>	<i>Status</i>
2100300405 0001-2019- A	Kajian membangun varieti baharu rintang penyakit, berhasil tinggi dan berkualiti untuk pasaran tempatan dan eksport melalui pendekatan konvensional	Project leader	2019-2020 /RM1.15 mil	MOA	On-going
2100300405 0001-2019- B	Kajian omiks dan kefungsi gen untuk penambahbaikan varieti dan pengawalan penyakit kritikal buah premium terpilih	Researcher	2019-2020 /RM800,000	MOA	On-going
2100300404 0001-2019- B	Sistem Tanaman Pertanian Bandar untuk Perkebunan Rumah dan Komuniti	Researcher	2019-2020 /RM200,000	MOA	On-going
2100300402 0001-2019- B	Pembangunan Sistem Pengeluaran Buah-buahan Terpilih bagi Menangani Perubahan Cuaca	Researcher	2019-2020 /RM271,600	MOA	On-going
2100300405 0001-2018- B	Kajian membangun varieti baharu rintang penyakit, berhasil tinggi dan berkualiti untuk pasaran tempatan dan eksport melalui pendekatan konvensional dan bioteknologi	Project Leader	2018 /RM1.1 mil	MOA	Completed
2100300405 0001-2018- C	Kajian Kefungsi Gen Dan Kejuruteraan Genetik Untuk Penambahbaikan Varieti Dan Pengawalan Penyakit Mati Rosot Betik	Researcher	2018 /RM450,000	MOA	Completed
2100300405 0001-2017- D	Peningkatan hasil dan kualiti mangga manggis dan durian	Researcher	2017 /RM1 mil	MOA	Completed
2100300405 0001-B	Kajian membangun varieti baharu rintang penyakit, berkualiti menarik untuk pasaran tempatan dan eksport melalui pendekatan konvensional, penanda molekular dan kejuruteraan genetik	Researcher	2016 /RM1.2 mil	MOA	Completed
2100300134 0001-A	Evaluation and selection of new rambutan, mango and pomelo clones for high yield and good quality	Project leader	2013-2015 /RM538,000	MOA	Completed
06-03-08- SF0376	Genotype x Environmental evaluation of new pineapple hybrids	Researcher	2012-2014 /RM 99,820	MOSTI	Completed
06-03-08- SF0294	Evaluation and selection of high yield, dwarf and good quality mango from open-pollinated population	Project Leader	2011-2013 /RM48,200	MOSTI	Completed
JP-RH 0209	Evaluation of Chokanan variants from farmer's field	Project Leader	2009-2010 /RM10,000	MARDI	Completed

## **H. PERUNDINGAN DAN KEPAKARAN**

<i>(Consultation and expertise)</i>	
<i>Activities</i>	<i>Year</i>
Latihan 'hands-on' dan teori pembaikbakaan betik untuk peserta kursus dari Sri Lanka	2018
Penceramah penyelenggaraan buah-buahan terpilih taman dusun bandar DBKL	2018
Khidmat nasihat kepada pekebun kecil mangga, durian dan betik	2018
Program CSR Bank Islam-MARDI di Rumah Bakti Dato' Harun, Hulu Klang	2017
Penceramah dan demo kursus pemantauan dan kawalan serangga perosak dan penyakit tanaman mangga Harumanis sebelum pengeluaran bunga dan putik, Pertubuhan Peladang Kawasan Beseri	2015
Penceramah dan demo pengurusan pokok bunga dan buah mangga untuk peningkatan hasil dan kualiti tanaman mangga di ladang, Taman Pertanian Universiti, UPM	2014
Penceramah dan demo latihan dan cantasan tanaman buah-buahan, Uniutama Property Sdn. Bhd, UUM	2014
Penceramah aktiviti penyelidikan pembaikbakaan buah-buahan di MARDI, Unit Baikbaka MPOB Keratong	2014
Penceramah program sesi soal jawab Pembantu Pertanian Daerah Kubang Pasu, Padang Terap dan Pokok Sena bersama Penyelidik MARDI Bukit Tangga berkaitan Tanaman Mangga	2013
Demonstrator teknik pemangkasan pokok mangga yang tepat, Persidangan Mangga Kebangsaan 2013	2013
Khidmat konsultasi penanaman dan penjagaan mangga untuk MADA Tobiar, Jabatan Pertanian Salakanan, Jabatan Pertanian Perlis dan petani mangga Perlis	2012-2014
Kumpulan pakar dalam projek pemulihan magga Harumanis Perlis	2014

<b>I. SUMBANGAN DAN JAWATANKUASA</b>	
<i>(Contribution and Committee)</i>	
<i>Contribution and Committee</i>	<i>Year</i>
Ahli JK Sebut Harga B MARDI	2019
Ahli JK Keselamatan Fizikal, Kawasan Lapang dan Ladang Pusat Hortikultur, MARDI	2019
Ahli JK Aset Hidup MARDI Peringkat Pusat Hortikultur, MARDI	2019
Setiausaha, Research Consultative Programme Papaya 2018	2018
Ahli, JK Kerja Technical Working Group Buah-buahan	2018-2019
Ahli, JK pelarasan Projek DBKL-MARDI	2018
Ahli silih ganti, JK petugas peperiksaan MARDI	2018-2020
Ahli, JK pengeluaran bahan tanaman MARDI	2018
Ahli, JK pengurusan dana Pusat Bank Benih MARDI	2018
Pengurus, Booth MARDI (Kluster fertigasi), Pavilion MOA, MAHA 2018	2018
Juruaudit, Kelab Kebajikan Hortikultur 2018	2018
Peserta pertandingan boling Kelab Hortikultur (Pingat gangsa)	2018
Peserta pertandingan boling MASSA (Pingat emas)	2018
Menyelaras segala aktiviti pameran peringkat Negeri Kedah dan MARDI Kedah (SKOr2015, HPPNK Kedah 2015, NBOS Day 2015, Lawatan Lembaga Pengelola MARDI ke Sintok)	2015
Menguruskan projek NBOS yang berkaitan MARDI di negeri Kedah (NBOS3, NBOS4, NBOS6)	2015
Ahli Jawatankuasa Badan Kebajikan dan Sukan MARDI Malaysia	2010-2015
Ahli, Persatuan Genetik Malaysia	Lifetime