

Appendix A. CURRICULUM VITAE

<b>A. <u>Personal Data</u></b>	
1. Name	: ZAITIALIA BINTI MOHLISUN
2. Date and Place of Birth	: 14-09-1980, Batu Pahat, Johor, Malaysia
3. Previous Job	: Research Assistant, Faculty of Agriculture, Universiti Putra Malaysia
4. Current Position	: Senior Research Officer (Q48), Seed Quality Control Subprogram, Seed, Planting Materials & Livestock Production Program, Commercialization Technology & Bisnes, Malaysian Agricultural Research and Development Institute (MARDI)
<b>B. <u>Educational Qualifications</u></b>	
1. Academic Qualification	
Degree	: Bachelor of Science (Honours)
Major	: Biochemistry
Year	: 1999 - 2003
Name and Place of Institution	: Universiti Putra Malaysia, Serdang, Malaysia
2. Other Professional Courses	
	<ul style="list-style-type: none"><li>• Seed Captain Program, Module 1 Seed Vigour, University Kasetsart, Bangkok, Thailand. 28 June – 2nd July 2010.</li><li>• Seed Captain Program, Module 2 Seed Drying and Storage, Palm Garden Hotel, Putrajaya, Malaysia 22 - 26 November 2010.</li><li>• ISTA Workshop on Vigour, Moisture and Tetrazolium Testing, Tullamarine, Melbourne, Australia. 24 – 28 September 2012.</li><li>• Seed Handling Workshop, UiTM Shah Alam, Selangor, Malaysia. 8 August 2013.</li><li>• ISTA Workshop on Quality Assurance, Depok, Indonesia. 12 – 16 May 2014.</li><li>• Seed testing workshop, MARDI Headquarters, 10 – 13 August 2015.</li><li>• Seed treatment and coating workshop, MARDI Headquarters, 1 – 2 July 2015.</li><li>• MARDI Writing Seminar, 14 – 15 December 2013.</li><li>• Basic Maintenance and Analytical Analysis of Videometerlab Workshop, 29 – 30 September 2014.</li><li>• Basic Maintenance and Analytical Analysis of Q2 System Workshop, 19 – 20 June 2014</li><li>• Program English For Communication for P&amp;P and supportive group of MARDI Series 1/2014, 15 April – 5 May 2014.</li><li>• Workshop on Understanding Drafting / Purifying MARDI Internal Examination 2014, 1 – 3 April</li></ul>

2014

- Auditing Course and Auditing Procedures for the newly appointed MS ISO 9001: 2008 MARDI Internal Audit, Kuala Lumpur, 27 – 29 January 2014

**C. Research Experience**

1. Number of Years of Experience in the Field Related to the Proposed Project : 10
2. Fields of Specialisation : Quality control and verification of seed, field inspection, seed treatment
3. Major Research : Seed analysis and assurance

**D. Research Achievements**

1. Honours and Awards : Excellent Service Award, MARDI 2011
2. Project's contribution:

No.	Title	Duration	Contribution	Badjet approve RM
1	Quality control and verification of seed and planting materials in MARDI	2011 - 2015	Project leader	4,000,000
2	Seed in space	2013 – 2015	Project leader	10,000
3	Production and validation of new quality MARDI vegetable seeds	2018 – 2020	Sub-sub project leader	95,000
4	Studies on the Effects on Microgravity Simulation Environment on Selected Malaysian Rice	2013 - 2014	Collaborator	160,000
5	The Effects of Paclobutrazol on Seed Yield and Quality of MC 11 and Kulai Chilli ( <i>Capsicum annuum</i> )	2010 – 2012	Collaborator	10,000
6	Bioactive ingredients from local rice and mushrooms and their health benefits	2013 - 2014	Collaborator	270,000
7	Construction of processing and packaging factory of paddy seeds in MARDI	2015	Collaborator	1,350,000
8	Investigations and solutions to the problem of seed germination of MARDI varieties	2013-2014	Collaborator	

3. Publications :

Zaitialia, M. How to measure seed quality? Agromedia Special Issue SEAVEG 2019, No. 50, 2019.

Zaitialia, M, Nurul Atilia Shafienaz, H, and Amyatikah, I. Germination performance of chilli seed as affected by hydropriming, halopriming and hormonal priming seed treatments. Southeast Asia Vegetable Symposium, SEAVEG, 9-11 July, 2019, Hotel Hatten, MELAKA.

Zaitialia, M and Uma, R. S. germination of wild banana *Musa acuminata* ssp. malaccensis and

truncata seeds and its response to desiccation. MARDI Science and Technology exhibition (MSTE) 2018, 8-10 Oktober 2018, Melaka, Malaysia.

Zaitialia, M., Amyita, W.U, and Mohd Shaib, J., Khairun Hisam, N., Mohd Nuradha, P., and Mohammed Selamat, M., Effects of microgravity exposure on MC11 chilli seed. Paper presented at the 8<sup>th</sup> National Seed Symposium, 29 - 30 May 2014, Palm Garden Hotel, Putrajaya, Malaysia.

Zaitialia, M., Amyita, W.U, Mohd Shaib, J., and Ariff Merican D.M., Preliminary study on presoaking treatment of maize seed. Paper presented at the 7<sup>th</sup> National Seed Symposium, 15 – 16 May 2012, Palm Garden Hotel, Putrajaya, Malaysia.

Zaitialia, M., Amyita, W.U, and Mohd Shaib, J., Peranan kawalan kualiti biji benih dalam pembangunan industri benih Negara. Paper presented at the Confertech, 28 – 29 November 2012, Marriot Hotel, Putrajaya, Malaysia.

Zaitialia, M., Amyita, W.U, and Mohd Shaib, J., 2012. Seed quality testing. Agromedia, 39:20-21.

Zaitialia, M., Amyita, W.U, and Mohd Shaib, J., 2012. MARDI Chilli MC11 in Space. Agromedia, 39:40-41.

Zaitialia, M., and Amyita, W.U, Rice seed quality control. Workshop lecture: Rice seed production and verification, 3-6 August 2009, Hotel Seri Malaysia, Seberang Prai, Pulau Pinang, Malaysia.

Zaitialia, M., Amyita, W.U, Mohd Shaib, J., Ariff M., Faizah S. A. R., Mohammed Selamat M. and Shahadan, M. Pemindahan dan pengkomersialan teknologi MARDI. Paper presented at the Confertech, 1 – 2 Disember 2010, Marriot Hotel, Putrajaya, Malaysia.

Zaitialia, M. Seed Captain Program - Module 1: Seed Vigour. Paper presented at the Seminar Dwi Mingguan, 2011, MARDI Head Quarters, Serdang, Selangor, Malaysia.

Atilia, H., Mohd Shaib, J., Amyita. W.U., and Zaitialia, M., Brinjal *Solanum melongena* L. seed quality during maturation. Paper presented at the 8<sup>th</sup> National Seed Symposium, 29 - 30 May 2014, Palm Garden Hotel, Putrajaya, Malaysia.

Faizah Salvana, A. R., Ariff Merican, D. M., Mohd Shaib, J., Zaitialia, M., and Muhammad Najib, O.G., Pengendalian dan rawatan bahan tanaman dan biji benih dalam perdagangan dan pemindahan antarabangsa. Paper presented at the Confertech, 28 – 29 November 2012, Marriot Hotel, Putrajaya, Malaysia.

Mohd Shaib, J., Zaitialia, M, Amyita W. U, Ahmad Hafiz, B., and Mohd Norfaizal, G., Seed germination of ceri terengganu (*Lepisanthes fruticosa* ). Paper presented at the First Regional Conference on Agrobiodiversity Conservation and Sustainable Utilisation, 25-27 September 2012, Langkawi, Kedah, Malaysia.

Amyita W. U., Zaitialia M., Mohd. Shaib J., and Mohammed Selamat M., 2014. Improvement of *Arachis hypogaea* var. Margenta seed vigour by hydropriming. Transactions of the Malaysian Society of Plant Physiology, volume 22.

Amyita W. U., Zaitialia M., Mohd. Shaib J., Mohammed Selamat M. Johan, V.A., and Selvakumaran, S., Enhancement of Seed Quality and Traceability Using Coating Technology. Paper presented at MARDI Science and Technology Exhibition (MSTE), 17-19 December 2013, MAEPS, Serdang, Selangor, Malaysia. (Bronze medal).

Atilia, H., Mohd Shaib, J., Amyita. W.U., and Zaitialia, M., Influence of physiological maturity and drying methods on seed vigour of *Solanum melongena* L. Paper presented at 24<sup>th</sup> Malaysian Society of Plant Physiology Conference (MSPPC), 27 – 29 August 2013 at Terengganu, Malaysia.

Amyita W. U., Zaitialia M., Mohd. Shaib J., Mohammed Selamat M. and U.R. Sinniah, The effects

of drying methods on groundnut (*Arachis hypogaea* VAR. MARGENTA) seed longevity. Paper presented at the First Regional Conference on Agrobiodiversity Conservation and Sustainable Utilisation, 25-27 September 2012, Langkawi, Kedah, Malaysia.

Ariff M., Faizah S. A. R., Mohd. Shaib J., Zaitialia M., Amyita W. U., Teknologi pengeluaran biji benih hibrid jagung manis hibrimas: ke arah pengurangan import biji benih Negara. Paper presented at the Confertech, 28 – 29 November 2012, Marriot Hotel, Putrajaya, Malaysia.