

CURRICULUM VITAE

NIK NORASMA BT. CHE'YA

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EDUCATION HISTORY:

Ph.D	Site-Specific Weed Management Using Remote Sensing	University of Queensland, Australia.	May 2012- October 2016
MSc.	GIS & Geomatic Engineering	Universiti Putra Malaysia, Malaysia.	July 2007-April 2010
BSc.	Bachelor of Science (Geoinformatics)	Universiti Teknologi Malaysia, Malaysia.	June 2003- June 2007
College	Matriculation of Science (Biology)	Malacca Matriculation College, Malaysia.	April 2002- Mei 2003

EMPLOYMENT HISTORY:

- Senior Lecturer at Department of Agricultural Technology, Faculty of Agriculture, Universiti Putra Malaysia. Malaysia. October 2016-Current
- Tutor at Department of Agricultural Technology, Faculty of Agriculture, Universiti Putra Malaysia. Malaysia. July 2010- September 2016
- Part Time Lecturer at KLIC, Class Surveying. December 2010-May 2011
- Research Assistant at SMART Farming Technology Laboratory, Institute of Advance Technology, Universiti Putra Malaysia. Malaysia. October 2010 – June 2010
- Research Fellow at MIMOS Berhad, Kuala Lumpur. Malaysia. May 2009 – September 2009
- Research Assistant at Department of Agricultural and Biological Engineering, Faculty of Engineering, Universiti Putra Malaysia. Malaysia. May 2007 – July 2007

THESIS AND DESSERTATION:

Nik Norasma Bt. Che'Ya. Site-Specific Weed Management Using Remote Sensing. Ph.D in October 2016. University of Queensland (UQ), Australia.

Nik Norasma Bt. Che'Ya. Web-based GIS Decision Support System for Paddy Precision Farming. Master degree in August 2010. Universiti Putra Malaysia (UPM), Malaysia.

Nik Norasma Bt. Che'Ya. Determine The Suitability Area for Aquaculture Using GIS. Bachelor project in 2007. Universiti Teknologi Malaysia (UTM), Malaysia.

RESEARCH INTEREST & EXTENSION PROGRAMS:

Research

- Geographic Information System (GIS) and Web GIS, UAV (Drone), Precision Agriculture in Rice Production in Malaysia
- Site-specific weed management using remote sensing

Professional Bodies

- Institution of Geospatial and Remote Sensing Malaysia (IGRSM).
- International Society for Southeast Asian Agricultural Sciences (ISSAAS)

Continuing Education:

Activities	Place	Date
<ul style="list-style-type: none"> • Paddy Monitoring using UAV in KETARA, Terengganu 	<ul style="list-style-type: none"> • KETARA, Terengganu 	<ul style="list-style-type: none"> • October 30, 2016
<ul style="list-style-type: none"> • Effective Planning and Management of Oil Palm Plantation 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • October 25, 2016
<ul style="list-style-type: none"> • INDUSTRY COLLABORATION ENGAGEMENT (ICE) DAY - Big Data and Internet of Things (IoT) 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • October 21, 2016
<ul style="list-style-type: none"> • CEO@Faculty Program 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • October 13, 2016
<ul style="list-style-type: none"> • Big Data and Internet 	<ul style="list-style-type: none"> • MARDI 	<ul style="list-style-type: none"> • October 12, 2016
<ul style="list-style-type: none"> • Prog. Developing a Champion Mindset 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • August 2, 2016
<ul style="list-style-type: none"> • Nobel Laureate's Outreach Camp 2016 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • August 9-12, 2016
<ul style="list-style-type: none"> • National Coconut Workshop 2016 (Rapporteur) 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • August 9, 2016
<ul style="list-style-type: none"> • Public Lecture: Milk Industry in Malaysia, Opportunities and Challenges 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • May 30, 2016
<ul style="list-style-type: none"> • Talk on Hyperspectral Camera for UAV Platform 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • June 1, 2016
<ul style="list-style-type: none"> • UAS4RS Conference 	<ul style="list-style-type: none"> • University of Queensland, Australia 	<ul style="list-style-type: none"> • February 17-18, 2016
<ul style="list-style-type: none"> • Improving Human Life 	<ul style="list-style-type: none"> • Brisbane Global Cafe 	<ul style="list-style-type: none"> • November 12, 2014
<ul style="list-style-type: none"> • UAV Workshop 	<ul style="list-style-type: none"> • Melaka 	<ul style="list-style-type: none"> • September 29-30, 2014
<ul style="list-style-type: none"> • Field Day Workshop 	<ul style="list-style-type: none"> • University of Queensland, Australia 	<ul style="list-style-type: none"> • May 6, 2014 • April, 4, 2015
<ul style="list-style-type: none"> • 3-Minute Thesis (Presenter) 	<ul style="list-style-type: none"> • University of Queensland, Australia 	<ul style="list-style-type: none"> • July 19, 2014

<ul style="list-style-type: none"> • The 5th Asian Conference Precision Agriculture (Oral Presenter) 	<ul style="list-style-type: none"> • Jeju, Korea 	<ul style="list-style-type: none"> • June 25-28, 2013
<ul style="list-style-type: none"> • Unregistered conference in GIS and Remote Sensing 	<ul style="list-style-type: none"> • Brisbane 	<ul style="list-style-type: none"> • 15 November 2012
<ul style="list-style-type: none"> • Training on Oil Palm Lining and Precision Farming, MPOB (Committee) 	<ul style="list-style-type: none"> • Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> • October 28, 2010
<ul style="list-style-type: none"> • WEC 2010, 'Engineering & Technology for Global Stability and Security', A GIS web-based tool for the management of oryza sativa planting (Presenter) 	<ul style="list-style-type: none"> • Kuching, Malaysia 	<ul style="list-style-type: none"> • August 2-5, 2010
<ul style="list-style-type: none"> • National GIS (NGIS) 2010 (Participant) 	<ul style="list-style-type: none"> • Putrajaya International Convention Center (PICC), Malaysia 	<ul style="list-style-type: none"> • June 28-29, 2010
<ul style="list-style-type: none"> • MRSS 2010, An internet-based software tool for guidelines and mapping in paddy planting (Presenter) 	<ul style="list-style-type: none"> • Putra World Trade Center (PWTC), Malaysia 	<ul style="list-style-type: none"> • April 27-28, 2010
<ul style="list-style-type: none"> • MRSS 2010, An internet-based software tool for guidelines and mapping in paddy planting (Committee) 	<ul style="list-style-type: none"> • Putra World Trade Center (PWTC), Malaysia 	<ul style="list-style-type: none"> • April 27-28, 2010
<ul style="list-style-type: none"> • ATCi 2009, Web Precision Farmer (v2.5): Comparison between Linux and Windows (Presenter) 	<ul style="list-style-type: none"> • Putra World Trade Center (PWTC), Malaysia 	<ul style="list-style-type: none"> • Nov 3-5, 2009
<ul style="list-style-type: none"> • Participate in 1st & 2nd KnowledgeGRID MALAYSIA FORUM 2009 & 2010 (Presenter) 	<ul style="list-style-type: none"> • International Islamic University Malaysia (IIUM), Malaysia & • Universiti Malaysia Terengganu (UMT), Malaysia 	<ul style="list-style-type: none"> • March 18-19, 2009 • Oct 26-28, 2009

<ul style="list-style-type: none"> Definiens Developer 7.0 Essential Training 	<ul style="list-style-type: none"> Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> April 7-8, 2009
<ul style="list-style-type: none"> ArcGIS Desktop 1 & 11 Training 	<ul style="list-style-type: none"> ESRI, Malaysia 	<ul style="list-style-type: none"> August 17-01, 2009
<ul style="list-style-type: none"> GIS DAY 2009 & 2010, UPM, Development of Web GIS (Presenter & Committee) 	<ul style="list-style-type: none"> Universiti Putra Malaysia (UPM) 	<ul style="list-style-type: none"> Feb 11, 2009 & March 4, 2010
<ul style="list-style-type: none"> Map Asia 2008, 2008 (Presenter) 	<ul style="list-style-type: none"> Kuala Lumpur Convention Center (KLCC), Malaysia 	<ul style="list-style-type: none"> August 18-20, 2008
<ul style="list-style-type: none"> MapInfo and ArcGIS (Hands-on-training) (Trainer) 	<ul style="list-style-type: none"> Geomatika College of Technology, Malaysia 	<ul style="list-style-type: none"> July 7-10, 2008
<ul style="list-style-type: none"> Precision Agriculture for Rice Field Management Workshop 	<ul style="list-style-type: none"> Tanjung Karang, Selangor, Malaysia/ National 	<ul style="list-style-type: none"> Feb., 2008

PUBLICATIONS

1. C. Y. N. Norasma, A. R. M. Shariff, M. S. M. Amin, S. Khairunniza-Bejo and A. R. Mahmud "Web-based GIS Decision Support System for Paddy Precision Farming". Map Asia 2008. KLCC, Kula Lumpur.
2. C. Y. N. Norasma, A. R. M. Shariff, M. S. M. Amin, S. Khairunniza-Bejo, A. R. Mahmud "Web-based GIS Decision Support System for Precision Farming", Consultative Workshop on Paddy Precision Farming. MAEPS, Serdang. 2008.
3. C. Y. N. Norasma, A. R. M. Shariff, M. S. M. Amin, S. Khairunniza-Bejo, A. R. Mahmud, E. Jahanshiri and A. A. A. Fauzul "Web-based GIS Decision Support System for Precision Farming". Pameran Rekacipta, Penyelidikan dan Inovasi UPM. pp22, 2008.
4. Fauzul Azhan Abdul Aziz, Abdul Rashid Mohamed Shariff, Mohd. Amin b. Mohd. Soom, Anuar Abdul Rahim, Ebrahim Jahanshiri, Nik Norasma Che' Ya, "A GIS based System For Paddy Field Precision Farming", AFITA, *wcca2008, Japan, 2008*
5. Nik Norasma Che' Ya, Abdul Rashid Mohamed Shariff, Mohd Amin Mohd Soom, Siti Khairunniza Bejo, Ahmad Rodzi Mahmud, Ebrahim and Fauzul "Generating Online GIS Decision Support System For Paddy Precision Farming". GSDI, Netherlands, 2009.
6. Nik Norasma Che' Ya, Abdul Rashid Mohamed Shariff, Mohd Amin Mohd Soom, Siti

Khairunniza Bejo, Ahmad Rodzi Mahmud, Ebrahim and Fauzul “Web Precision Farmer (v2.5): Comparison between Windows and Linux”. ATCi, PWTC, 2009.

7. Nik Norasma Che’Ya, Abdul Rashid Mohamed Shariff, Mohd Amin Mohd Soom, Siti Khairunniza Bejo, Ahmad Rodzi Mahmud, Ebrahim and Fauzul “An internet-based software tool for guidelines and mapping in paddy planting”. MRSS2010, PWTC, 2010.
8. Nik Norasma Che’Ya, Abdul Rashid Mohamed Shariff, Mohd Amin Mohd Soom, Siti Khairunniza Bejo, Ahmad Rodzi Mahmud, Ebrahim and Aimrun Wayayok “A GIS web-based tool for the management of oryza sativa planting”. World Engineering Congress 2010, Kuching, 2010.
9. C. Y. N. Norasma, A. R. M. Shariff, E. Jahanshiri, M. S. M. Amin, S. Khairunniza-Bejo and A. R. Mahmud “Web-Based Decision Support System for Paddy Planting Management.” Journal of Science and Technology, PERTANIKA Journal 2013
10. C. Y. N. Norasma, M. Gupta, D. George, A. Lisle, B. Basinet, and G. Campbell “Spectral Discrimination of Weeds Using Hyperspectral Radiometry” The 5th Asian Conference Precision Agriculture, Jeju, Korea (2013)
11. C. Y. N. Norasma, E. Dunwoody and M. Gupta “Spectral bands of discrimination weeds in sorghum crop” Weed Research Journal 2016 (Submitted to SVs).
12. C. Y. N. Norasma, E. Dunwoody and M. Gupta “Weed detection in sorghum crop with high spatial resolution UAV imagery” International Journal Remote Sensing 2016 (Draft 2016).
13. M. M. Farrah, C. Y. N. Norasma and W. Z. W. Zanariah “Towards operationalization of rice precision farming in Malaysia: Potential and challenges” (Draft 2016)

AWARDS

- Best Presenter Award in The 5th Asian Conference Precision Agriculture, Jeju, Korea (2013). International
- Bronze Medal Award in Pameran Reka Cipta, Penyelidikan Dan Inovasi (PRPI), UPM (2010). University
- Silver Medal Awards in International Trade Fair (IEANA), Germany (2009). International

- Gold Medals Awards in Malaysia Technology Expo (MTE), PWTC (2009 & 2008). National
- Gold Medals Awards in Pameran Reka Cipta, Penyelidikan Dan Inovasi (PRPI), UPM (2008 & 2007). University
- Diamond and Gold medal in British Invention Show (BIS), London (2008). International
- National Science Fellowship, Ministry of Science, Technology and Innovation (MOSTI), Malaysia Government (2008-2009)
- Dean lists for 5 semesters in Universiti Teknologi Malaysia (UTM)
- Best student awards for 2 semesters in Universiti Teknologi Malaysia (UTM)

EXTENSION CIRCULARS:

- Committee of the program development for MSc Agroteknologi. Faculty of Agriculture, UPM. 2016
- Committee of the Putra Global, UPM. 2016
- Committee of Padi uPutra, KETARA, UPM. 2016

RESEARCH GRANTS

- National Precision Farming Grant, ITMA. UPM (2007-2010, Members)
- Yield mapping of field grown paddy from crop height information and indices generated from UAS, Grant Universiti Putra Malaysia 2016 (Grant Putra Draft)
- Padi uPutra, KETARA (Members, 2017)

GOOGLE SCHOLAR CITATION

Since 2012

Citations 6

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REFEREES

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Faculty of Engineering, Universiti Putra Malaysia Serdang Selangor 43400.
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Dept. of Agriculture Technology,
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Telephone: 603-8947 4815, Faks: +603-8938 1015.
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