



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

## CURRICULUM VITAE



**Name** : Chuzairy Bin Hanri  
**Date of Birth** : 11 November 1987  
**Nationality** : Malaysia  
**Marital Status** : Married  
**Home Address** : 2, Jalan Pulai Mutiara 1/13, Taman Pulai Mutiara, 81300, Johor Bahru, Johor  
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### ACADEMIC QUALIFICATION

**Year** : **Academic Qualification**  
**2018** : Doctor of Philosophy (Chemistry Education)  
Universiti Teknologi Malaysia  
**2013** : Master of Education (Chemistry)  
Universiti Teknologi Malaysia  
**2010** : Sarjana Muda Sains serta Pendidikan (Kimia) dengan kepujian kelas pertama  
Universiti Teknologi Malaysia

### PROFESSIONAL EXPERIENCE

**Year** : **Professional Experience**  
**2018 –** : Senior Lecturer at Universiti Teknologi Malaysia  
**now**  
**2010 -** : Tutor at Universiti Teknologi Malaysia  
**2018**

- 2010** : Guru Sandaran Tidak Terlatih at Sekolah Menengah Teknik Sejingkat  
**2009** : Practical Teacher at Sekolah Menengah Kebangsaan Bandar, Kota Tinggi, Johor

## **TEACHING EXPERIENCES**

### **POSTGRADUATE COURSE TAUGHT**

Semester 1, 2022/2023

- Innovation in Education (MHPU1013)
- Design & Implementation of Chemistry Curriculum (MPPK1103)
- Technology in Chemistry Education (MPPK1343)

Semester 2, 2021/2022

- Innovation in Teaching and Learning (MHPU1013)

Semester 1, 2021/2022

- Teaching and Learning Models in Chemistry (MHPK1113)
- Innovation in Teaching and Learning (MHPU1013)
- Teaching Reflection in Science Education (MPPS1363)

Semester 2, 2020/2021

- Design & Implementation of Chemistry Curriculum (MPPK1103)
- Innovation in Teaching and Learning (MPPU1003)

Semester 1, 2020/2021

- Thinking Skills in Chemistry Education (MPPK1323)
- Innovation in Teaching and Learning (MPPU1003)

Semester 2, 2019/2020

- Design & Implementation of Chemistry Curriculum (MPPK1103)
- Innovation and Creativity in Chemistry Education (MPPK1313)
- Innovation in Teaching and Learning (MPPU1003)

Semester 1, 2019/2020

- Problem Solving in Chemistry (MPPK1353)
- Teaching Reflection in Science Education (MPPS1363)

Semester 2, 2018/2019

- Design and Implementation of Chemistry Curriculum (MPPK 1103)
- Technology in Chemistry Education (MPPK1343)

## **UNDERGRADUATE COURSE TAUGHT**

Semester 1, 2022/2023

Microteaching (SHPA2001)

Semester 2, 2021/2022

Teaching and Assessment Method in Chemistry (SHPK2113)

Practical in Chemistry Education I (SHPK2121)

Semester 1, 2021/2022

Graduate Success Attributes (UHMT1012)

Semester 2, 2020/2021

Graduate Success Attributes (UHMT1012)

Semester 1, 2020/2021

Extra-Curricular Experiential Learning (ExCEL) (UKQE3001)

Semester 2, 2019/2020

Design & Implementation of Chemistry Curriculum (MPPK1103)

Innovation and Creativity in Chemistry Education (MPPK1313)

Innovation in Teaching and Learning (MPPU1003)

Semester 1, 2019/2020

Problem Solving in Chemistry (MPPK1353)

Teaching Reflection in Science Education (MPPS1363)

Semester 2, 2018/2019

Design and Implementation of Chemistry Curriculum (MPPK 1103)

Technology in Chemistry Education (MPPK1343)

## **DIPLOMA COURSE TAUGHT**

Semester 1, 2021/2022

Sains, Teknologi dan Masyarakat (DSCS3122)

Semester 1, 2020/2021

Sains, Teknologi dan Masyarakat (DSCS3122)

## **EXTRA COCURRICULUM**

Semester 1, 2020/2021

Automotive Vehicle Maintenance (UKQR2122/UKQF2412)

Semester 1, 2019/2020

STEM Literacy (UKQA2112)

STEM Literacy (UKQF2102)

## **SUPERVISION**

### **Master Taught Course**

1. 2019 – 2020 - Sayed Abdul Aziz Ahmady Falah
2. 2020-2021 - Yu Xiaochen
3. 2020-2021 - Wimbi Apriwanda Nursiwan
4. 2020-2022 - Muhammad Khairul Arif Bin Ahamad
5. 2021-2022 - Zhao Zhifeng

### **Master Mixed Mode**

1. 2022 – Current – Sariah Ali

### **Master Full Research**

1. 2022 – Current – Noor Saadah Binti Mohd Radzuan

### **PhD**

1. 2022 – Current – Wimbi Apriwanda Nursiwan
2. 2022 – Current – Zhao Zhifeng

## **RESEARCH GRANTS**

### **Principal Investigator**

- Hubungan Konsep Kendiri Kimia Pelajar dengan Kemahiran Menghujah Secara Saintifik Pelajar, 1 November 2019-31 Oktober 2021, UTM Encouragement Grant. (RM15000)
- STEM-Hijau, 15 Ogos 2022-15 Mac 2023, Geran Komuniti Iskandar Rendah Karbon. (RM16000)

### **Member**

- Kajian ke atas Kemahiran Penyelesaian Masalah STEM (Sains, Teknologi, Kejuruteraan dan Matematik) dalam Kalangan Pelajar Tahun 6 Sekolah Rendah Islam Hidayah, 1 September 2019 – 30 November 2019, Industrial Grant (RM2000)
- Pengetahuan dan Amalan Pensyarah dalam Mengukur Masa Pembelajaran Pelajar (Student Learning Time), 15 November 2019 – 14 November 2021, Dana Pembangunan Pengajaran CTL (RM12000)

- Kerangka Kaedah Pembelajaran di luar Bilik Darjah (PLBD) bagi Meningkatkan Kemahiran Berfikir Aras Tinggi (KBAT) Pelajar Dalam Matematik, 1 September 2019 – 31 Ogos 2021, Fundamental Research Grant Scheme (FRGS) (RM51200)
- Developing Instruments for Assessing Outcomes of Informal Science Learning, 1 Ogos 2019 – 31 Julai 2021, UTM Tier 2 (RM15000)
- Exploring Teachers, Peers and Parents Behaviour and Speech which Intensify And Minimize Mathematics Anxiety Among Malaysian Students Through Photovoice Approach, 1 Ogos 2019 – 31 Julai 2021, UTM Tier 2 (RM15000)

## PUBLICATIONS

h-index : 2

Scopus/WOS Indexed	
2024	: Rusli N.S., Ibrahim N.H., Hanri C., Surif J. (2024). E-Module problem-based learning on chemical equilibria to improve students' higher-order thinking skills: an analysis. <i>International Journal of Evaluation and Research in Education</i> , 13 (1), pp. 454 - 465
2023	: Nursiwan W.A., Hanri C. (2023). Relationship between level of scientific creativity and scientific attitudes among prospective chemistry teachers. <i>International Journal of Evaluation and Research in Education</i> , 12 (1), pp. 174 - 179
2022	: Falah S.A.A.A., Hanri C., Bunyamin M.A.H., Osman S. (2022). Chemistry Lecturers' Attitudes Toward Educational Technology: Afghanistan Lecturer Perspective. <i>International Journal of Evaluation and Research in Education</i> , 11 (4), pp. 1769 – 1777 Talib C.A., Ramin N., Rajan S.T., Aliyu F., Surif J., Ibrahim N.H., Hanri C. (2022). Online Project-Based Learning with Integration of STEAM in Chemistry: Challenges and Opportunities to Create 21st Century Skills. <i>AIP Conference Proceedings</i> , 2542. Ahamad M.K.A., Ibrahim N.H., Surif J., Nursiwan W.A., Hanri C., Osman S., Nawi N.D., Talib C.A. (2022). Dub Chem Vid Module for Chemistry Topic Abstract Nature. <i>AIP Conference Proceedings</i> , 2542 Bunyamin M.A.H., Rahman N.F.A., Osman S., Alhassora N.S.A., Hanri C., Nawi N.D., Azelee N.I.W. (2022). Graduate Success Attributes for Engineering Students: Major Learning Outcomes and Significance of the Course. <i>AIP Conference Proceedings</i> , 2433 Apriwanda W., Hanri C. (2022). Level Of Creative Thinking Among Prospective Chemistry Teachers. <i>Jurnal Pendidikan IPA Indonesia</i> , 11 (2), pp. 296 – 302

		Mahanan M.S., Ibrahim N.H., Surif J., Ismail N., Hanri C., Ahamad M.K.A., Serman N.S. (2022). Home fertilizer teaching module for Aborigine people. <i>International Journal of Evaluation and Research in Education</i> , 11 (2), pp. 972 - 976
<b>2020</b>	:	Ying C.L., Osman S., Kurniati D., Masykuri E.S., Kumar J.A., Hanri C. (2020). Difficulties That Students Face When Learning Algebraic Problem-Solving. <i>Universal Journal of Educational Research</i> , 8 (11), 5405 – 5413  Rameli M.R.M., Alhassora N.S.A., Bunyamin M.A.H., Hanri C. (2020). Student Teachers' Attitude And Self-Esteem Towards Online Learning: Application Of Rasch Measurement Model. <i>Universal Journal of Educational Research</i> , 8 (11 C), 37 – 44
<b>2019</b>	:	Hanri, C., Rosli, M. S., Bunyamin, M. A. H., Ismail, N., Ibrahim, N. H. (2019). Scientific Argumentation Practice and Verbal Interaction in Chemistry Classroom Among 10 <sup>th</sup> Grade Students. <i>International Journal of Recent Technology and Engineering</i> , 8(3S2), 733-738.  Loganathan, P., Mohd Alwi, A., Romainor, N., Abdul Talib, C., Hanri, C., Abdul Malik, A. M., & Siang, K. H. (2019). Students' chemistry learning process through visual programming language: A preliminary study. <i>International Journal of Recent Technology and Engineering</i> , 8(1C2), 509-514.  Zailan, N. A., Bunyamin, M. A. H., Hanri, C., Ibrahim, N. H., Osman, S., Ismail, N., & Azelee, N. W. (2019). Assessment and evaluation of non-formal STEM education programs. <i>International Journal of Recent Technology and Engineering</i> , 7(6), 762-768.
<b>Thesis/Dissertation</b>		
<b>2018</b>	:	PhD Thesis Title : Pengamalan Penghujahan Saintifik dalam Pembelajaran Kimia Supervisor : Associate Professor Dr Muhammad Yusof Bin Arshad Associate Professor Dr Johari Bin Surif
<b>2013</b>	:	Master Thesis Title : Modul Pengajaran Kimia Berdasarkan Model Inkuiri-Kreativiti Supervisor : Associate Professor Dr Muhammad Yusof Bin Arshad
<b>2010</b>	:	Bachelor Degree Dissertation Title : Tahap penguasaan kemahiran inkuiri di kalangan pelajar sekolah menengah Supervisor : Associate Professor Dr Muhammad Yusof Bin Arshad

<b>Journal Non-Indexed</b>	
<b>2017</b>	: Hanri, C., Arshad, M. A. & Surif, J. (2017) Scientific Argumentation Practice in Teaching Science. <i>Man In India</i> , 23 (Part 3), 23-35
<b>Seminar/ Conference/ Workshop Paper</b>	
<b>2018</b>	: Bunyamin, M. A. H., Hanri, C. & Ahmad, N. J. (2018). <i>Issues of Language in Science Education: International Perspectives</i> . Paper presented at 2018 International Conference of East-Asian Association for Science Education, Taiwan
<b>2013</b>	: Hanri, C., & Arshad, M. Y. (2013). <i>Ke arah pendidikan yang lebih berkualiti: Pengamalan pengajaran guru kimia dalam menggalakkan kreativiti</i> . Paper presented at the International Seminar on Quality and Affordable Education, Johor Bahru.

### **CONSULTATION**

<b>Year</b>	<b>Project</b>	<b>Value</b>
2019	Kajian Aktiviti STEM Melalui Program STEMTOURISM (Leader)	RM 1800
	Program Pelajar Minat Stem (STEM Interest-Ignition Program) (Member)	RM 10000
	UTM International Sit-In Teaching and Learning Peer Coaching Module (Member)	RM 51000
	Kajian Keberkesanan Aktiviti STEM Melalui Program STEMTOURISM (Member)	RM 7500

### **MANAGEMENT EXPERIENCE**

Coordinator for program Bachelor of Science with Education (Chemistry) with Honours (2020, 2022-Current)

Coordinator for course Innovation in Education (MHPU1013) (2020-current)

Head of Chemistry Education Laboratory (2021-current)

### **PROFESSIONAL SERVICES**

**Year** : **Professional Services**

**2019** : • Committee, Science Mathematic Education Research Group

- Committee, Pameran/Aktiviti Sempena Minggu STEM di Sekolah Kebangsaan Tebrau Bakar Batu, Johor Bahru
  - Taskforce Committee, Lawatan Akademik dari Universitas Negeri Jakarta
  - Taskforce Committee, Penyelaras Program Ijazah Sarjana Muda serta Pendidikan (Kimia)
  - Taskforce Committee, Teaching Practice/Community Service Program
  - Taskforce Committee, Semakan Kurikulum Pasca Siswazah MQF 2.0
  - Jury, Pertandingan Inovasi Peringkat Negeri Johor
  - Jury, Bulan Inovasi Sekolah Pendidikan Tahun 2019
  - Examiner, Seminar Projek Sarjana Muda (PSM) Semester II 2019/2019
  - Committee, Program STEM Day
  - Committee, SCRATCHTOPIA Challenge
  - Jury, Hari Inovasi Sekolah Pendidikan Ke-9 Tahun 2019
  - Committee, Learnig Adventure Program
  - Committee, New Academia Learnig Innovation 2019
  - Jury, SCRATCHTOPIA Challenge
  - Facilitator, EPOSTER Presentation for Session 2019/2020, Semester 1
  - Academic Facilitator, Universitas Negeri Makassar International Community Service Program And Pre-Service Teacher (KKN-PPL International)
  - Academic Facilitator, Field Teaching Practice/Community Services (Universitas Lambung Mangkurat)
  - Academic Facilitator, International Teaching Practice Program (Universitas Negeri Malang)
  - Committee, Mesyuarat Agung PPSMJ Kali ke-41
  - Committee, Pertandingan Kembara STEM Sekolah Menengah
  - Examiner, Research Study II – Semester 2 2018/2019
  - Committee, Karnival Sains, Teknologi, Kejuruteraan dan Matematik (STEM)
- 2018** : • AJK Kecil Penyediaan Maklumat Kursus (L1) Program Diploma Pendidikan Lepas Ijazah (DPLI) Sekolah Pendidikan
- Juri Hari Inovasi Fakulti Sains Sosial dan Kemanusiaan 2018
  - Juri Hari Inovasi Fakulti Pendidikan UTM 2018
- 2017-2018** : Ahli Jawatankuasa Alumni Fakulti Pendidikan
- 2015 - 2017** : Juruaudit Persatuan Pendidikan Sains dan Matematik Johor
- 2012** : Ahli Jawatankuasa *International Seminar of Science and Mathematics Education 2012*

**2010** : Editor *Proceeding Education Postgraduate Research Seminar 2010*

#### **PROFESSIONAL MEMBERSHIP**

Persatuan Pendidikan Sains dan Matematik Johor (Penolong Bendahari)

Persatuan Pendidikan Sains dan Matematik Johor (Since 2010)

#### **INVITED SPEAKER/FACILITATOR FOR WORKSHOP/CONFERENCE**

**Year** : **Workshop/Conference**

- 2019** :
- Program Asas Sains Komputer/Sains Komputer 2019
  - Program Minggu STEM SK Tebrau Bakar Batu
  - SME-RG Colloqium 2019
  - SCRATCHTOPIA Challenge
  - 3<sup>rd</sup> International Conference on Educational Studies

#### **AWARDS AND HONORS RECEIVED**

**Year** : **Awards/Achievement**

- 2023** : Anugerah Perkhidmatan Cemerlang Citra Karisma
- 2019** : Active Blended Learning Course
- 2014-2017** : KPT Scholarship (PhD)
- 2010-2013** : KPT Scholarship (Master)
- 2007-2010** : KPM Scholarship (Bachelor)
- 2010** : Dean list award for UTM 45<sup>th</sup> Convocation
- 2010** : Dean List Award for session 2009/2010 II
- 2010** : Dean List Award for session 2009/2010 I
- 2009** : Dean List Award for session 2008/2009 II
- 2008** : Dean List Award for session 2007/2008 II
- 2007** : Dean List Award for session 2007/2008 I
- 2007** : Dean List Award for session 2006/2007 II