



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

CURRICULUM VITAE



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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, 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)

EXTRA COCURRICULUM

Semester 1, 2019/2020

STEM Literacy (UKQA2112)

STEM Literacy (UKQF2102)

SUPERVISION

Master Taught Course

1. 2019 – Current. Sayed Abdul Aziz Ahmady Falah

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)

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

Scopus/WOS Indexed

- 2019** : 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 10th Grade Students. *International Journal of Recent Technology and Engineering*, 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. *International Journal of Recent Technology and Engineering*, 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. *International Journal of Recent Technology and Engineering*, 7(6), 762-768.

Thesis/Dissertation

- 2018** : PhD Thesis
- Title : Pengamalan Penghujahan Saintifik dalam Pembelajaran Kimia
- Supervisor : Associate Professor Dr Muhammad Yusof Bin Arshad

Associate Professor Dr Johari Bin Surif

- 2013** : Master Thesis
Title : Modul Pengajaran Kimia Berdasarkan Model Inkuiri-Kreativiti
Supervisor : Associate Professor Dr Muhammad Yusof Bin Arshad
- 2010** : Bachelor Degree Dissertation
Title : Tahap penguasaan kemahiran inkuiri di kalangan pelajar sekolah menengah
Supervisor : Associate Professor Dr Muhammad Yusof Bin Arshad

Journal Non-Indexed

- 2017** : Hanri, C., Arshad, M. A. & Surif, J. (2017) Scientific Argumentation Practice in Teaching Science. *Man In India*, 23 (Part 3), 23-35

Seminar/ Conference/ Workshop Paper

- 2018** : Bunyamin, M. A. H., Hanri, C. & Ahmad, N. J. (2018). *Issues of Language in Science Education: International Perspectives*. Paper presented at 2018 International Conference of East-Asian Association for Science Education, Taiwan
- 2013** : Hanri, C., & Arshad, M. Y. (2013). *Ke arah pendidikan yang lebih berkualiti: Pengamalan pengajaran guru kimia dalam menggalakkan kreativiti*. Paper presented at the International Seminar on Quality and Affordable Education, Johor Bahru.

CONSULTATION

Year	Project	Value
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

PROFESSIONAL MEMBERSHIP

- Persatuan Pendidikan Sains dan Matematik Johor (Penolong Bendahari)
Persatuan Pendidikan Sains dan Matematik Johor (Since 2010)

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
 - Academis Facilitator, Universitas Negeri Makassar International Community Service Program And Pre-Service Teacher (KKN-PPL International)
 - Academis Facilitator, Field Teaching Practice/Community Services (Universitas Lambung Mangkurat)
 - Academis 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*

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 Colloquium 2019
 - SCRATCHTOPIA Challenge
 - 3rd International Conference on Educational Studies

AWARDS AND HONORS RECEIVED

- Year** : **Awards/Achievement**
- 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 45th 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