



**RAVTE**

Regional Association of Vocational  
and Technical Education in Asia

# RAVTE RESOURCES

## Curriculum Vitae



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### Education Background:

2010 - PhD (Eng. Education) – University of Bremen, Germany

2003 – M.Ed (Technical and Vocational Education) – Universiti Tun Hussein Onn Malaysia

2001 – B.Eng (Mechanical Engineering) – Universiti Tun Hussein Onn Malaysia

1998 – Diploma in Mechanical Engineering – Polytechnic Ungku Omar, Malaysia

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#### Expertise / Research Areas (identified by keywords):

- Technical and vocational education
- Teaching and learning
- Cognitive load in learning
- Soft skills/ Green skills
- Vocational Teachers' Education
- Engineering Education

#### Engagement (networks):

- ATEN (Asia Technical-Expert Network)
- UNESCO-UNEVOC

#### Publications (2015-2020):

### JOURNAL:

M.M. Mohamad, B. Ibrahim, **C.S. Lai**, A. Ahmad, A.N. Md Nasir (2020), Reflection on Environmental Awareness For School Management, *Journal Of Critical Reviews*, 7(6), 265-268

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**C.S. Lai** , B. Muhammad Syamaizar, M.F. Lee, A.S. Noorazman (2017). Tahap Kemahiran Insaniah Dalam Kalangan Pelajar Kktm Di Johor, Prosiding Seminar Kebangsaan Majlis Dekan Fakulti Pendidikan UA. 13-15 Dec 2017, pp 770-778

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JM Yunos, **LC Sern**, TT Kiong, NH Hamdan (2016). The Issues And Challenges Of Vocational Teacher Education Program. Proceedings of the 1st Annual International Seminar on Transformative Education and Educational Leadership (AISTEEL) [e-ISSN: 2548-4613]

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JM Yunos, **Lai, C.S.** & NH Hamdan (2016). Changes and challenges in sustainability of technical and vocational education and training—teacher education programme: A case study. 2016 IEEE 8th International Conference on Engineering Education (ICEED), 80-85, DOI: 10.1109/ICEED.2016.7856099 [978-1-5090-1596-2]

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**Lai, C.S.**, Bilah, M.F., Lee, M.F., & Abd Samad, N. (2016). Tahap Kemahiran Insaniah Dalam Kalangan Pelajar KKTm Dari Perspektif Pensyarah. Prosiding Seminar Majlis Dekan-Dekan Fakulti Pendidikan Universiti Awam 2016, 13-15 Nov 2016, TH Hotel, 200-206; [ISBN : 978-967-399-277-5]

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<b>Award / Research Grants:</b>
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<b>Title</b>	<b>Role</b>	<b>Funding Agency</b>	<b>Year</b>
Development of Flexible Work-piece Holder as Teaching and Learning Tool for Welding Technology	Research member	UTHM	2005-2006 (completed)
The Investigation of the Impact of Combining Example-Based Learning and Problem-Based Learning on Students' Learning Outcomes	Head of Researcher	UTHM	2011-2012 (completed)
School-based Assessment Implementation: Transformation of Malaysia Education System  [Pelaksanaan Penilaian Berasaskan Sekolah (pbs): Transformasi Sistem Pendidikan Di Malaysia]	Head of Researcher	Ministry of Higher Education (MoHE) - ERGS	2012-2015 (Completed)
Exploring school based learning for individual diversity in Education: Promoting Inclusions for Learners with Special Needs In Mains Stream Schools	Head of Researcher	Ministry of Higher Education (MoHE) - ERGS	2012-2015 (completed)
Assessment of Quality Assurance of Existing Practices for Accreditation of Prior Experiential Learning (APEL) on TVET Teacher Training	Research member	GIZ RCP- GERMANY	2012-2013 (completed)
Development of Teacher Standard Model for Special Education based on Rhetoric Values towards Sustainability of Life-long Learning  [Pembangunan Model Standard Guru Pendidikan Khas Berasaskan Nilai Retorik Ke arah Kelestarian Pembelajaran Sepanjang Hayat]	Head of Researcher	Ministry of Higher Education (MoHE) - RAGS	2013 – 2016 (completed)

REMARK: Please send it in PDF format to secretariat.

Learning with Worked Examples: Exploring the impacts of Sub-Cognitive Load and Topic Interest on Learner's Transfer Performance Based on Human Cognitive Architecture Framework	Head of Researcher	Ministry of Higher Education (MoHE) - ERGS	2013-2016 (completed)
User Preference Uncertainty For Contextual Design Analysis	Research member	Ministry of Higher Education (MoHE) - RAGS	2013-2016 (completed)
The Workplace Learning And Performance Model For Present And Future Competencies: Malaysian Human Resource Development Practitioners Perspectives	Research member	Ministry of Higher Education (MoHE) - RAGS	2013-2016 (completed)
Critical Thinking Curriculum Model (ctcm) For Tve Programs Within Malaysian Community Colleges: Moving Toward 21st Century Education	Research member	Ministry of Higher Education (MoHE) - RAGS	2013-2016 (completed)
An Intergrated Teaching Approach for Decreasing Learners' Cognitive Load and Increasing Learners' Academic Performance	Head of Researcher	UTHM-Contract grant	2014-2015 (completed)
Technical and Vocational Education Training ((TVET) – Cambodian Training Programme (CTP)	Consultant	Asia Development Bank	2013-2014 Completed
Cyberbullying: Understanding the Current Situation	Head of Researcher	Contract grant – IYRES (Ministry of Youth and Sport Malaysia)	2015 (completed)
Development of Green Skills Model for TVET Curriculum	Head of Researcher	Ministry of Higher Education (MoHE) FRGS	2015-2019 Completed
<i>Teaching Practicum Assessment via Video Technology</i> [Penilaian Latihan Mengajar Melalui Teknologi Video]	Head of Researcher	UTHM-Contract Grant	2018 (Completed)
Development of Handbook for Curriculum Development based on IR 4.0	Head of Researcher	UTHM-Contract Grant	2018 (in progress)
Policy on TVET Definition & Graduate Employability	Consultant	Ministry of Higher Education	2018 Completed

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Development of TVET Program Rating and Ranking Instrument	Consultant	Ministry of Higher Education	2019 Completed
Progressing Work-Based Learning of TVET System in Thailand	Researcher	BMBF Germany	2019 In progress

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